
Attachment 1

DAVID E. DISMUKES
*Associate Professor and
Associate Director
Center for Energy Studies
Louisiana State University
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*Consulting Economist
Acadian Consulting Group
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Baton Rouge, LA 70808
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EDUCATION

Ph.D., Economics, Florida State University, 1995.
M.S., Economics, Florida State University, 1992.
M.S., International Affairs, Florida State University, 1988.
B.A., History, University of West Florida, 1987.
A.A., Liberal Arts, Pensacola Junior College, 1985.

Master's Thesis: *Nuclear Power Project Disallowances: A Discrete Choice Model of Regulatory Decisions*

Ph.D. Dissertation: *An Empirical Examination of Environmental Externalities and the Least-Cost Selection of Electric Generation Facilities*

ACADEMIC APPOINTMENTS

Louisiana State University, Baton Rouge, Louisiana

Center for Energy Studies

2003-Current	Associate Director
2001-Current	Associate Professor
2000-2001	Research Fellow and Adjunct Assistant Professor
1999-2000	Managing Director, Distributed Energy Resources Initiative
1995-2000	Assistant Professor

E.J. Ourso College of Business Administration, Department of Economics

2001-Current	Adjunct Associate Professor
1999-2000	Adjunct Assistant Professor

Florida State University, Tallahassee, Florida
Department of Economics

1995	Instructor
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PROFESSIONAL EXPERIENCE

Acadian Consulting Group, Baton Rouge, Louisiana

2001-Current	Consulting Economist/Principal
1995-2000	Consulting Economist/Principal

Econ One Research, Inc., Houston, Texas

2000-2001	Senior Economist
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Florida Public Service Commission, Tallahassee, Florida
Division of Communications, Policy Analysis Section

1995	Planning & Research Economist
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Division of Auditing & Financial Analysis, Forecasting Section

1993	Planning & Research Economist
1992-1993	Economist

Project for an Energy Efficient Florida &
Florida Solar Energy Industries Association, Tallahassee, Florida

1994	Energy Economist
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Ben Johnson Associates, Inc., Tallahassee, Florida

1991-1992	Research Associate
1989-1991	Senior Research Analyst
1988-1989	Research Analyst

GOVERNMENT APPOINTMENTS

2003-Current	Member, Energy and Basic Industries Task Force, Louisiana Economic Development Council
2001-2003	Member, Louisiana Comprehensive Energy Policy Commission.

PUBLICATIONS: PEER REVIEWED ACADEMIC JOURNALS

"The Demand for Long Distance Telephone Communication: A Route-Specific Analysis of Short-Haul Service." (1996). *Studies in Economics and Finance* 17:33-45.

"A Comment on Cost Savings from Nuclear Regulatory Reform" (1997). *Southern Economic Journal*. 63:1108-1112.

"Oil Spills, Workplace Safety, and Firm Size: Evidence from the U.S. Gulf of Mexico OCS." (1997). With O. O. Iledare, A. G. Pulsipher, and Dmitry Mesyanzhinov. *Energy Journal* 4: 73-90.

"Capacity and Economies of Scale in Electric Power Transmission" (1999). With Robert F. Cope and Dmitry Mesyanzhinov. *Utilities Policy* 7: 155-162.

"Cogeneration and Electric Power Industry Restructuring" (1999). With Andrew N. Kleit. *Resource and Energy Economics*. 21:153-166.

"A Data Envelopment Analysis of Levels and Sources of Coal Fired Electric Power Generation Inefficiency" (2000). With Williams O. Olatubi. *Utilities Policy*. 9 (2): 47-59.

"Modeling Regional Power Markets and Market Power." (2001). With Robert F. Cope. *Managerial and Decision Economics*. 22:411-429.

"A Comment on the Integration of Price Cap and Yardstick Competition Schemes in Electrical Distribution Regulation." (2001). With Steven A. Ostrover. *IEEE Transactions on Power Systems*. 16 (4): 940 -942.

"A is for Access: A Definitional Tour Through Today's Energy Vocabulary." (2001) *Public Resources Law Digest*. 38: 2.

"Reflections on the U.S. Electric Power Production Industry: Precedent Decisions Vs. Market Pressures." With Robert F. Cope III and John W. Yeargain. *Journal of Legal, Ethical, and Regulatory Issues*. (2003). Volume 6, Number 1.

"Using Competitive Bidding As A Means of Securing the Best of Competitive and Regulated Worlds." (2004). With Tom Ballinger and Elizabeth A. Downer. *NRRJ Journal of Applied Regulation*. (forthcoming).

"Understanding the Economic Impact of Deepwater Oil and Gas Activities on the Coastal Communities of the Gulf of Mexico." (2004). With Williams O. Olatubi. *Ocean & Coastal Management*. (Under Review).

"Estimating the Opportunities for Enhanced Oil and Gas Production on Marginal State Leases." (2004). With Jeffrey M. Burke and Dmitry V. Mesyanzhinov. *Energy Policy* (Revise and Resubmit)

"Deregulation of Generating Assets and the Disposition of Excess Deferred Federal Income Taxes." (2004). With K.E. Hughes II. *International Energy Law and Taxation Review*. (forthcoming)

PUBLICATIONS: PEER REVIEWED PROCEEDINGS

"Comparing the Safety and Environmental Records of Firms Operating Offshore Platforms in the Gulf of Mexico." (1996). With Allan Pulsipher, Omowumi Iledare, Dmitry Mesyanzhinov, William Daniel, and Bob Baumann. *Proceedings of the American Society of Mechanical Engineers: Offshore and Arctic Operations* 1996, January.

"Safety Regulations, Firm Size, and the Risk of Accidents in E&P Operations on the Gulf of Mexico Outer Continental Shelf" (1996). With Allan Pulsipher, Omowumi Iledare, and Bob Baumann. *Proceedings of the American Society of Petroleum Engineers: Third International Conference on Health, Safety, and the Environment in Oil and Gas Exploration and Production*, June.

"New Paradigms for Power Engineering Education." (1997). With Fred I. Denny. *Proceedings of the International Association of Science and Technology for Development*. October: 499-504.

"Power System Operations, Control, and Environmental Protection in a Restructured Electric Power Industry" (1998). With Fred I. Denny. *IEEE Proceedings: Large Engineering Systems Conference on Power Engineering*. June: 294-298.

"Applications for Distributed Energy Resources in Oil and Gas Production: Methods for Reducing Flare Gas Emissions and Increasing Generation Availability" (2000). With Ritchie D. Priddy. *Proceedings of the International Energy Foundation – ENERGEX 2000*. July.

"Electric Utility Restructuring and Strategies for the Future." (2001). With Scott W. Geiger. *Proceedings of the Southwest Academy of Management*. March.

"Technology Based Ethical Issues Surrounding the California Energy Crisis." (2002). With Robert F. Cope III and John Yeargain. *Proceedings of the Academy of Legal, Ethical, and Regulatory Issues*. September: 17-21.

PUBLICATIONS: OTHER PROCEEDINGS

"Comparing the Safety and Environmental Performance of Offshore Oil and Gas Operators." (1995). With Allan Pulsipher, Omowumi Iledare, Dmitry Mesyanzhinov, William Daniel, and Bob Baumann. *Proceedings of the 15th Annual Information Transfer Meeting*. U.S. Department of Interior, Minerals Management Service: New Orleans, Louisiana.

"Assessing Environmental and Safety Risks of the Expanding Role of Independents in E&P Operations on the Gulf of Mexico OCS." (1996). With Allan Pulsipher, Omowumi Iledare, Bob Baumann, and Dmitry Mesyanzhinov. *Proceedings of the 16th Annual Information Transfer Meeting*. U.S. Department of Interior, Minerals Management Service: New Orleans, Louisiana: 162-166.

"Modeling Electric Power Markets in a Restructured Environment" (1998). With Robert F. Cope and Dan Rinks. *Proceedings of the International Association for Energy Economics: Technology's Critical Role in Energy and Environmental Markets*. October: 48-56.

"Asymmetric Choice and Customer Benefits: Lessons from the Natural Gas Industry." (1999). With Rachelle F. Cope and Dmitry Mesyanzhinov. *Proceedings of the International Association for Energy Economics: The Only Constant is Change* August: 444-452.

“Empirical Challenges in Estimating the Economic Impacts of Offshore Oil and Gas Activities in the Gulf of Mexico” (2000). With Williams O. Olatubi. *Proceedings of the International Association for Energy Economics: Transforming Energy Markets*. August.

“Modeling the Economic Impact of Offshore Activities on Onshore Communities.” (2000). With Williams O. Olatubi. *Proceedings of the 20th Annual Information Transfer Meeting*. U.S. Department of Interior, Minerals Management Service: New Orleans, Louisiana.

“Do Deepwater Activities Create Different Impacts to Communities Surrounding the Gulf OCS?” (2001). *Proceedings of the International Association for Energy Economics: 2001: An Energy Odyssey?* April.

“Analysis of the Economic Impact Associated with Oil and Gas Activities on State Leases.” (2002). With Dmitry Mesyanzhinov, Robert H. Baumann, and Allan G. Pulsipher. *Proceedings of the 2002 National IMPLAN Users Conference*: 149-155.

“A New Consistent Approach to Modeling Regional Economic Impacts of Offshore Oil and Gas Activities.” (2002). With Vicki Zatarain. *Proceedings of the 2002 National IMPLAN Users Conference*: 241-258.

“The Role of ANS Gas on Southcentral Alaskan Development.” (2002). With William Nebesky and Dmitry Mesyanzhinov. *Proceedings of the International Association for Energy Economics: Energy Markets in Turmoil: Making Sense of It All*. October.

“Competitive Bidding in the Electric Power Industry.” (2003). *Proceedings of the Association of Energy Engineers*. December 2003.

“Trends and Issues in the Natural Gas Industry and the Development of LNG: Implications for Louisiana. (2004) *Proceedings of the 51st Mineral Law Institute*, Louisiana State University, Baton Rouge, LA. April 2, 2004.

PUBLICATIONS: BOOKS AND MONOGRAPHS

Distributed Energy Resources: A Practical Guide for Service. (2000) With Ritchie Priddy. London: Financial Times Energy.

Power System Operations and Planning in a Competitive Market. (2002) With Fred I. Denny. New York: CRC Press.

PUBLICATIONS: BOOK CHAPTERS

“Electric Power Generation.” (2000). In the *Macmillan Encyclopedia of Energy*. Edited by John Zumerchik. New York: Macmillan Reference.

“The Hydropower Industry of the United States.” (2000). With Dmitry Mesyanzhinov. In *Renewable Energy: Trends and Prospects*. Edited by E.W. Miller and A.I. Panah. Lafayette, PN: The Pennsylvania Academy of Science, 133-146.

"Challenges and Opportunities for Distributed Energy Resources in the Natural Gas Industry." (2002). In *Natural Gas and Electric Industries Analysis 2001-2002*. Edited by Robert Willett. With Martin J. Collette, Ritchie D. Priddy, and Jeffrey M. Burke. Houston, TX: Financial Communications Company, 114-131.

"Alaskan North Slope Natural Gas Development." (2003). In *Natural Gas and Electric Industries Analysis 2003*. With William E. Nebesky, Dmitry Mesyanzhinov, and Jeffrey M. Burke. Edited by Robert Willett. Houston, TX: Financial Communications Company, 185-205.

"Competitive Power Procurement An Appropriate Strategy in a Quasi-Regulated World." (2004). In *Electric and Natural Gas Business: Using New Strategies, Understanding the Issues*. With Elizabeth A. Downer. Edited by Robert Willett. Houston, TX: Financial Communications Company, 91-104.

"The Role of Distributed Energy Resources in a Restructured Power Industry." (2003). In *The Future of Electric Power Deregulation*. Edited by Andrew N. Kleit. Washington, DC: Freedom Press, forthcoming.

PUBLICATIONS: BOOK REVIEWS

Review of ***Electric Cooperatives on the Threshold of a New Era*** by Public Utilities Reports. (Vienna, Virginia: Public Utilities Reports, 1996) pp. 232. ISBN 0-910325-63-4. *Energy Journal* 17 (1996): 161-62.

Review of ***Electricity Transmission Pricing and Technology***, edited by Michael Einhorn and Riaz Siddiqi. (Boston: Kluwer Academic Publishers, 1996) pp. 282. ISBN 0-7923-9643-X. *Energy Journal* 18 (1997): 146-148.

Review of ***Renewable Resources for Electric Power: Prospects and Challenges***. Raphael Edinger and Sanjay Kaul. (Westport, Connecticut: Quorum Books, 2000), pp 154. ISBN 1-56720-233-0. *Natural Resources Forum*. (2000).

PUBLICATIONS: TRADE AND PROFESSIONAL JOURNALS

"Electric Utility Mergers and Acquisitions: A Regulator's Guide." (1996). With Kimberly H. Dismukes. *Public Utilities Fortnightly*. January 1.

"Reliability or Profit? Why Entergy Quit the Southwest Power Pool." (1998). With Fred I. Denny. *Public Utilities Fortnightly*. February 1: 30-33.

"Stranded Investment and Non-Utility Generation." (1999). With Michael T. Maloney. *Electricity Journal* 12: 50-61.

"Slow as Molasses: The Political Economy of Electric Restructuring in the South." (1999). With K.E. Hughes II. *Oil, Gas, and Energy Quarterly*. 48: 163-183.

"Coming to a Neighborhood Near You: The Merchant Electric Power Plant." (1999). With K.E. Hughes II. *Oil, Gas, and Energy Quarterly*. 48:433-441.

"Distributed Energy Resources: The Next Paradigm Shift in the Electric Power Industry." (2000). With K.E. Hughes II. *Oil, Gas and Energy Quarterly*. 48:593-602.

"Issues and Opportunities for Small Scale Electricity Production in the Oil Patch." (2000). With Ritchie D. Priddy. *American Oil and Gas Reporter*. 49: 78-82.

"The Post-Restructuring Consolidation of Nuclear-Power Generation in the Electric Power Industry." (2000) With K.E. Hughes II. *Oil, Gas and Energy Quarterly*. 49: 751-765.

"Energy Conservation Programs and Electric Restructuring: Is There a Conflict?" (2000). With K.E. Hughes II. *Oil, Gas and Energy Quarterly*. September: 211-224.

"Clean Air, Kyoto, and the Boy Who Cried Wolf." (2000). With K.E. Hughes II. *Oil, Gas and Energy Quarterly*. December: 529-540.

"Distributed Energy Must Be Watched As Opportunity for Gas Companies." (2001). With Martin Collette, and Ritchie D. Priddy. *Natural Gas Journal*. January: 9-16.

"California Dreaming: Are Competitive Markets Achievable?" (2001). With K.E. Hughes II. *Oil, Gas and Energy Quarterly*. 49: 743-759.

"A is for Access: A Definitional Tour Through Today's Energy Vocabulary." (2001). With K.E. Hughes II. *Oil, Gas and Energy Quarterly*. 49:947-973.

"Energy Policy by Crisis: Proposed Federal Changes for the Electric Power Industry." (2001). With K.E. Hughes II. *Oil, Gas and Energy Quarterly*. 50:235-249.

"The EPA v. The TVA, et. al. Over New Source Review." (2001) With K.E. Hughes, II. *Oil, Gas and Energy Quarterly*. 50:531-543.

"An Assessment of the Role and Importance of Power Marketers." (2002). With K.E. Hughes II. *Oil, Gas and Energy Quarterly*. 50: 713-731.

"Will Electric Restructuring Ever Get Back on Track? Texas is not California." (2002). With K.E. Hughes II. *Oil, Gas and Energy Quarterly*. 50: 943-960.

"Do Economic Activities Create Different Economic Impacts to Communities Surrounding the Gulf OCS?" (2002). With Williams O. Olatubi. *IAEE Newsletter*. Second Quarter: 16-20.

"Standardizing Wholesale Markets For Energy." (2002). With K.E. Hughes II. *Oil, Gas and Energy Quarterly*. 51: 207-225.

"The Role of Alaska North Slope Gas in the Southcentral Alaska Regional Energy Balance." (2002). With William Nebesky and Dmitry Mesyanzhinov. *Natural Gas Journal*. 19: 10-15.

"Is There a Role for the TVA in Post-Restructured Electric Markets?" (2002). With K.E. Hughes II. *Oil, Gas and Energy Quarterly*. 51: 433-454.

"What's Happened to the Merchant Energy Industry? Issues, Challenges, and Outlook" (2003). With K.E. Hughes II. *Oil, Gas and Energy Quarterly*. 51: 635-652.

"Economic Displacement Opportunities in Southeastern Power Markets." (2003). With Dmitry V. Mesyanzhinov. *USAAE Dialogue*. 11: 20-24.

"Clear Skies" or Storm Clouds Ahead? The Continuing Debate over Air Pollution and Climate Change" (2003). With K.E. Hughes II. *Oil, Gas and Energy Quarterly*. 51: 823-848.

"White Paper or White Flag: Do FERC's Concessions Represent A Withdrawal from Wholesale Power Market Reform?" (2003). With K.E. Hughes II. *Oil, Gas and Energy Quarterly*. 52: 197-207.

"An Electric Utility's Exposure to Future Environmental Costs: Does It Matter? You Bet!" (2003). With K.E. Hughes II. *Oil, Gas and Energy Quarterly*. 52: 457-469.

"Will Competitive Bidding Make a Comeback?" (2004). With K.E. Hughes II. *Oil, Gas and Energy Quarterly*. 52: 659-674

"Deregulation of Generating Assets and The Disposition of Excess Deferred Federal Income Taxes: A 'Catch-22' for Ratepayers." (2004). With K.E. Hughes II. *Oil, Gas and Energy Quarterly*. 52: 873-891.

"The Challenges Associated with a Nuclear Power Revival: Its Past." (2004). With K.E. Hughes II. *Oil, Gas and Energy Quarterly*. *Forthcoming*.

"The Evolving Markets for Polluting Emissions: From Sulfur Dioxide to Carbon Dioxide." (2004). With K.E. Hughes II. *Oil, Gas and Energy Quarterly*. *Forthcoming*.

PUBLICATIONS: REPORTS AND OTHER PUBLICATIONS

Restructuring the Electric Utility Industry: Implications for Louisiana. (1996). With Allan Pulsipher and Kimberly H. Dismukes. Baton Rouge, LA: Louisiana State University, Center for Energy Studies.

Assessing the Environmental and Safety Risks of the Expanded Role of Independents in Oil and Gas E&P Operations on the U.S. Gulf of Mexico OCS. (1996). With Allan Pulsipher, Omowumi Iledare, Dmitry Mesyanzhinov, William Daniel, and Bob Baumann. Baton Rouge, LA: Louisiana State University, Center for Energy Studies.

Energy Conservation and Electric Restructuring In Louisiana. (2000). With Dmitry Mesyanzhinov, Ritchie D. Priddy, Robert F. Cope III, and Vera Tabakova. Baton Rouge, LA: Louisiana State University, Center for Energy Studies.

The Economic Impacts of Merchant Power Plant Development in Mississippi. (2001). Report Prepared on Behalf of the US Oil and Gas Association, Alabama and Mississippi Division. Houston, TX: Econ One Research, Inc.

Moving to the Front of the Lines: The Economic Impacts of Independent Power Plant Development in Louisiana. (2001). With Dmitry Mesyanzhinov and Williams O. Olatubi. Baton Rouge, LA: Louisiana State University, Center for Energy Studies.

Alaska In-State Natural Gas Demand Study. (2002). With Dmitry Mesyanzhinov, et.al. Anchorage, Alaska: Alaska Department of Natural Resources, Division of Oil and Gas.

An Analysis of the Economic Impacts Associated with Oil and Gas Activities on State Leases. (2002) With Robert H. Baumann, Dmitry V. Mesyanzhinov, and Allan G. Pulsipher. Baton Rouge, LA: Louisiana Department of Natural Resources, Office of Mineral Resources.

Modeling the Economic Impact of Offshore Oil and Gas Activities in the Gulf of Mexico: Methods and Application. (2003). With Williams O. Olatubi, Dmitry V. Mesyanzhinov, and Allan G. Pulsipher. Prepared by the Center for Energy Studies, Louisiana State University, Baton Rouge, La. OCS Study MMS2000-0XX. U.S. Department of the Interior, Minerals Management Service, Gulf of Mexico OCS Region, New Orleans, La.

The Power of Generation: The Ongoing Benefits of Independent Power Development in Louisiana. With Dmitry V. Mesyanzhinov, Jeffrey M. Burke, and Elizabeth A. Downer. Baton Rouge, LA: LSU Center for Energy Studies, 2003.

Deepwater Program: OCS-Related Infrastructure in the Gulf of Mexico Fact Book. (2004). With Louis Berger Associates, University of New Orleans National Ports and Waterways Institute, and Research and Planning Associates. MMS Study No. 1435-01-99-CT-30955. U.S. Department of the Interior, Minerals Management Service.

Marginal Oil and Gas Production in Louisiana: An Empirical Examination of State Activities and Policy Mechanisms for Stimulating Additional Production. (2004). With Dmitry V. Mesyanzhinov, Jeffrey M. Burke, Robert H. Baumann. Baton Rouge, LA: Louisiana Department of Natural Resources, Office of Mineral Resources.

Economic Opportunities for LNG Development in Louisiana. (2004). With Elizabeth A. Downer and Dmitry V. Mesyanzhinov. Baton Rouge, LA: Louisiana Department of Economic Development.

Economic Opportunities for a Limited Industrial Retail Choice Plan in Louisiana. (2004). With Elizabeth A. Downer and Dmitry V. Mesyanzhinov. Baton Rouge, LA: Louisiana State University Center for Energy Studies.

GRANT RESEARCH

Co-Principal Investigator. "Assessing the Environmental and Safety Risks of the Expanded Role of Independents in Oil and Gas E&P Operations on the U.S. Gulf of Mexico OCS." (1996). With Allan Pulsipher, Omowumi Iledare, Dmitry Mesyanzhinov,

William Daniel, and Bob Baumann. U.S. Department of Interior, Minerals Management Service, Grant Number 95-0056. Total Project Funding: \$109,361. Status: Completed.

Principal Investigator. "The Industrial Supply of Electricity: Commercial Generation, Self-Generation, and Industry Restructuring" (1996). With Andrew Kleit. Louisiana Energy Enhancement Program, LSU Office of Research and Development. Total Project Funding: \$19,948. Status: Completed.

Principal Investigator. "Energy Conservation and Electric Restructuring in Louisiana." (1997). Louisiana Department of Natural Resources. Petroleum Violation Escrow Program Funds. Total Project Funding: \$43,169. Status: Completed.

Principal Investigator. "An Economic Impact Analysis of OCS Activities on Coastal Louisiana." (1998). With Dmitry Mesyanzhinov and David Hughes. U.S. Department of Interior, Minerals Management Service. Total Project Funding: \$190,166. Status: Completed.

Principal Investigator. "Cost Profiles and Cost Functions for Gulf of Mexico Oil and Gas Development Phases for Input Output Modeling." (1998). With Dmitry Mesyanzhinov and Allan G. Pulsipher. U.S. Department of Interior, Minerals Management Service. Total Project Funding: \$244,956. Status: Completed.

Co-Principal Investigator. "An Analysis of the Economic Impacts of Drilling and Production Activities on State Leases." (2002) With Robert H. Baumann, Allan G. Pulsipher, and Dmitry V. Mesyanzhinov. Louisiana Office of Mineral Resources. Total Project Funding: \$8,000. Status: Completed.

Principal Investigator. "A Collaborative Investigation of Baseline and Scenario Information for Environmental Impact Statements." (2002). With Dmitry V. Mesyanzhinov and Williams O. Olatubi. U.S. Department of Interior, Minerals Management Service. Total Project Funding: \$600,000. Status: Awarded, In Progress, three year project.

Principal Investigator. "Marginal Oil and Gas Properties on State Leases in Louisiana: An Empirical Examination and Policy Mechanisms for Stimulating Additional Production." (2002). With Robert H. Baumann and Dmitry V. Mesyanzhinov. Louisiana Office of Mineral Resources. Total Project Funding: \$72,000. Status: Awarded, Draft Report Under Review.

Principal Investigator. "Economic Opportunities from LNG Development in Louisiana." (2003). With Dmitry V. Mesyanzhinov. Metrovision/New Orleans Chamber of Commerce and the Louisiana Department of Economic Development. Total Project Funding: \$25,000. Status: Completed.

Principal Investigator. "Examination of the Economic Impacts Associated with Large Customer, Industrial Retail Choice." (2004). With Dmitry V. Mesyanzhinov. Louisiana Mid-Continent Oil and Gas Association. Total Project Funding: \$35,000. Status: Awarded, In Progress.

Principal Investigator. "An Examination on the Development of Liquefied Natural Gas Facilities on the Gulf of Mexico." (2004). With Dmitry V. Mesyanzhinov and Mark J.

Kaiser. U.S. Department of the Interior, Minerals Management Service. Total Project Funding \$101,054. Status: Awarded, In Progress.

Principal Investigator. "Marginal Oil and Gas Properties on State Leases in Louisiana: An Empirical Examination and Policy Mechanisms for Stimulating Additional Production." (2004). With Robert H. Baumann and Kristi A. R. Darby. Louisiana Office of Mineral Resources. Total Project Funding: \$75,000. Status: Proposal Under Review.

Principal Investigator. "Economic Impacts of the Chlor-Alkali and Chlor-Vinyl Industry in Louisiana." (2004). With Bryan M. Landry. Solutions Through Science. Total Project Funding: \$37,000. Status: Proposal Under Review.

ACADEMIC CONFERENCE PRESENTATIONS

"A Cross-Sectional Model of IntraLATA MTS Demand." (1995). Southern Economic Association, Sixty-Fifth Annual Conference. New Orleans, Louisiana.

"Empirical Determinants of Nuclear Power Plant Disallowances." (1995). Southern Economic Association, Sixty-Fifth Annual Conference. New Orleans, Louisiana.

"Comparing the Safety and Environmental Performance of Offshore Oil and Gas Operators." (1995). With Allan Pulsipher, Omowumi Iledare, Dmitry Mesyanzhinov, William Daniel, and Bob Baumann. U.S. Department of Interior, Minerals Management Service, 15th Annual Information Transfer Meeting. New Orleans, Louisiana.

"Spatial Perspectives on the Forthcoming Deregulation of the U.S. Electric Utility Industry." (1996) With Dmitry Mesyanzhinov. Southwest Association of American Geographers Annual Meeting. Norman, Oklahoma.

"Recovery of Stranded Investments: Comparing the Electric Utility Industry to Other Recently Deregulated Industries" (1996). With Farhad Niami and Dmitry Mesyanzhinov. Southern Economic Association, Sixty-Sixth Annual Conference. Washington, D.C.

"Input Price Fluctuations, Total Factor Productivity, and Price Cap Regulation in the Telecommunications Industry" (1996). With Farhad Niami. Southern Economic Association, Sixty-Sixth Annual Conference. Washington, D.C.

"Empirical Modeling of the Risk of a Petroleum Spill During E&P Operations: A Case Study of the Gulf of Mexico OCS." (1996). With Omowumi Iledare, Allan Pulsipher, and Dmitry Mesyanzhinov. Southern Economic Association, Sixty-Sixth Annual Conference. Washington, D.C.

"Assessing Environmental and Safety Risks of the Expanding Role of Independents in E&P Operations on the Gulf of Mexico OCS." (1996). With Allan Pulsipher, Omowumi Iledare, Dmitry Mesyanzhinov, and Bob Baumann. U.S. Department of Interior, Minerals Management Service, 16th Annual Information Transfer Meeting. New Orleans, Louisiana.

"The Unintended Consequences of the Public Utilities Regulatory Policies Act of 1978." (1997). National Policy History Conference on the Unintended Consequences of Policy Decisions. Bowling Green State University. Bowling Green, Ohio. June 5-7.

"Cogeneration and Electric Power Industry Restructuring." (1997). With Andrew N. Kleit. Western Economic Association, Seventy-fifth Annual Conference. Seattle, Washington. July 9-13.

"New Paradigms for Power Engineering Education." (1997). With Fred I. Denny. International Association of Science and Technology for Development, High Technology in the Power Industry Conference. Orlando, Florida. October 27-30

"A Non-Linear Programming Model to Estimate Stranded Generation Investments in a Deregulated Electric Utility Industry." (1997). With Robert F. Cope and Dan Rinks. Institute for Operations Research and Management Science Annual Conference. Dallas Texas. October 26-29.

"Benchmarking Electric Utility Transmission Performance." (1997). With Robert F. Cope and Dmitry Mesyanzhinov. Southern Economic Association, Sixty-seventh Annual Conference. Atlanta, Georgia. November 21-24.

"Power System Operations, Control, and Environmental Protection in a Restructured Electric Power Industry." (1998). With Fred I. Denny. IEEE Large Engineering Systems Conference on Power Engineering. Nova Scotia, Canada. June.

"Benchmarking Electric Utility Distribution Performance." (1998) With Robert F. Cope and Dmitry Mesyanzhinov. Western Economic Association, Seventy-sixth Annual Conference. Lake Tahoe, Nevada. June.

"Modeling Electric Power Markets in a Restructured Environment." (1998). With Robert F. Cope and Dan Rinks. International Association for Energy Economics Annual Conference. Albuquerque, New Mexico. October.

"Empirical Issues in Electric Power Transmission and Distribution Cost Modeling." (1998). With Robert F. Cope and Dmitry Mesyanzhinov. Southern Economic Association. Sixty-Eighth Annual Conference. Baltimore, Maryland. November.

"Economic Impact of Offshore Oil and Gas Activities on Coastal Louisiana" (1999). With Dmitry Mesyanzhinov. Annual Meeting of the Association of American Geographers. Honolulu, Hawaii. March.

"Modeling Regional Power Markets and Market Power." (1999). With Robert F. Cope. Western Economic Association Annual Conference. San Diego, California. July.

"Asymmetric Choice and Customer Benefits: Lessons from the Natural Gas Industry." (1999). With Rachelle F. Cope and Dmitry Mesyanzhinov. International Association of Energy Economics Annual Conference. Orlando, Florida. August.

"Parametric and Non-Parametric Approaches to Measuring Efficiency Potentials in Electric Power Generation." (1999). With Williams O. Olatubi. International Atlantic Economic Society Annual Conference, Montreal, October.

"Applied Approaches to Modeling Regional Power Markets." (1999.) With Robert F. Cope. Southern Economic Association Sixty-ninth Annual Conference. New Orleans, November 1999.

"Estimating Efficiency Opportunities for Coal Fired Electric Power Generation: A DEA Approach." (1999). With Williams O. Olatubi. Southern Economic Association Sixty-ninth Annual Conference. New Orleans, November.

"Distributed Energy Resources, Energy Efficiency, and Electric Power Industry Restructuring." (1999). American Society of Environmental Science Fourth Annual Conference. Baton Rouge, Louisiana. December.

"New Consistent Approach to Modeling Regional Economic Impacts of Offshore Oil and Gas Activities in the Gulf of Mexico." (2002). With Vicki Zatarain. 2002 National IMPLAN Users' Conference. New Orleans, Louisiana, September 4-6.

"Moving to the Front of the Lines: The Economic Impact of Independent Power Plant Development in Louisiana." (2002). With Dmitry V. Mesyanzhinov and Williams O. Olatubi. 2002 National IMPLAN Users' Conference. New Orleans, Louisiana, September 4-6.

"The Economic Impact of State Oil and Gas Leases on Louisiana." (2002). With Dmitry V. Mesyanzhinov. 2002 National IMPLAN Users' Conference. New Orleans, Louisiana, September 4-6.

"Are There Any In-State Uses for Alaska Natural Gas?" (2002). With Dmitry V. Mesyanzhinov and William E. Nebesky. IAEE/USAEE 22nd Annual North American Conference: "Energy Markets in Turmoil: Making Sense of It All." October 7, 2002, Vancouver, British Columbia, Canada.

"GIS and Applied Economic Analysis: The Case of Alaska Residential Natural Gas Demand." With Dmitry V. Mesyanzhinov. Presented at the Joint Meeting of the East Lakes and West Lakes Divisions of the Association of American Geographers in Kalamazoo, MI, October 16-18, 2003.

"Fiscal Mechanisms for Stimulating Oil and Gas Production on Marginal Leases." With Jeffrey M. Burke. International Association of Energy Economics Annual Conference, Washington, D.C. (July, 2004).

ACADEMIC SEMINARS AND PRESENTATIONS

"The Empirical Determinants of Co-generated Electricity: Implications for Electric Power Industry Restructuring." (1997). With Andrew N. Kleit. Florida State University. Department of Economics: Applied Microeconomics Workshop Series. October 17, Tallahassee, Florida.

"Electric Restructuring and Nuclear Power." (1997). Louisiana State University. Department of Nuclear Science. November 7, Baton Rouge, Louisiana.

"Electric Restructuring and the Environment." (1998). Environment 98: Science, Law, and Public Policy. Tulane University. Tulane Environmental Law Clinic. March 7, New Orleans, Louisiana.

"Electric Restructuring and Conservation." (2001). Presentation before the Department of Electrical Engineering, McNeese State University. Lake Charles, Louisiana. May 2, 2001.

"Trends and Issues in the Natural Gas Industry and the Development of LNG: Implications for Louisiana. (2004) 51st Mineral Law Institute, Louisiana State University, Baton Rouge, LA. April 2, 2004.

PROFESSIONAL AND CIVIC PRESENTATIONS

Panelist, "Deregulation and Competition." American Nuclear Society: Second Annual Joint Louisiana and Mississippi Section Meetings, Baton Rouge, Louisiana, April 20, 1996.

Roundtable Moderator, "Stakeholder Perspectives on Electric Utility Stranded Costs." Louisiana State University, Center for Energy Studies Seminar on Electric Utility Restructuring in Louisiana, Baton Rouge, May 29, 1996.

"Electric Utility Restructuring." Sunshine Rotary Club Meetings, Baton Rouge, Louisiana, August 8, 1996.

"Electric Utility Restructuring -- Background and Overview." Louisiana Public Service Commission, Baton Rouge, Louisiana, August 14, 1996.

"Electric Utility Restructuring" Louisiana Electric Cooperative Association, Baton Rouge, Louisiana, August 27, 1996.

"Electric Utility Restructuring in Louisiana." Entergy Services, Transmission and Distribution Division, Energy Centre, New Orleans, Louisiana, September 12, 1996

"Electric Utility Restructuring in Louisiana." Jennings Rotary Club, Jennings, Louisiana, November 19, 1996.

"Deregulating the Electric Utility Industry." Eighth Annual Economic Development Summit, Baton Rouge, Louisiana, November 21, 1996.

"Restructuring the Electric Utility Industry." Louisiana Propane Gas Association Annual Meeting, Alexandria, Louisiana, December 12, 1996.

"Electric Restructuring: Louisiana Issues and Outlook for 1997." Louisiana State University, Center for Energy Studies Industry Associates Meeting, Baton Rouge, Louisiana, January 15, 1997.

"The Electric Utility Restructuring Debate In Louisiana: An Overview of the Issues." Annual Conference of the Public Affairs Research Council of Louisiana. Baton Rouge, Louisiana. March 25, 1997.

"Electric Utility Restructuring: Issues and Trends for Louisiana." Opelousas Chamber of Commerce, Opelousas, Louisiana. June 24, 1997.

"Electric Utility Restructuring." Louisiana Association of Energy Engineers. Baton Rouge, Louisiana. September 11, 1997.

"Electric Utility Restructuring in Louisiana." Hammond Chamber of Commerce, Hammond, Louisiana. October 30, 1997.

"Reflections and Predictions on Electric Utility Restructuring in Louisiana." With Fred I. Denny. Louisiana State University, Center for Energy Studies Industry Associates Meeting. November 20, 1997.

"How Will Utility Deregulation Affect Tourism." Louisiana Travel Promotion Association Annual Meeting, Alexandria, Louisiana. January 15, 1998.

"The Implications of Electric Restructuring on Independent Oil and Gas Operations." Petroleum Technology Transfer Council Workshop: Electrical Power Cost Reduction Methods in Oil and Gas Field Operations. Shreveport, Louisiana, October 13, 1998.

"A Short Course on Electric Restructuring." Central Louisiana Electric Company. Sales and Marketing Division. Mandeville, Louisiana, October 22, 1998.

"What's Happened to Electricity Restructuring in Louisiana?" Louisiana State University, Center for Energy Studies Industry Associates Meeting. March 22, 1999.

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"The Dynamics of Electric Restructuring in Louisiana." Joint Meeting of the American Association of Energy Engineers and the International Association of Facilities Managers. Metairie, Louisiana. April 29, 1999.

"The Political Economy of Electric Restructuring In the South" Southeastern Electric Exchange, Rate Section Annual Conference. New Orleans, Louisiana. May 7, 1999.

Roundtable Discussant. "Environmental Regulation in a Restructured Market" The Big E: How to Successfully Manage the Environment in the Era of Competitive Energy. PUR Conference. New Orleans, Louisiana. May 24, 1999.

"Merchant Power Opportunities in Louisiana." Louisiana Mid-Continent Oil and Gas Association (LMOGA) Power Generation Committee Meetings. Baton Rouge, Louisiana. November 10, 1999.

"Distributed Energy Resources Initiatives." Louisiana State University, Center for Energy Studies Industry Associates Meeting. Baton Rouge, Louisiana. December 15, 1999.

"LSU/CES Distributed Energy Resources Initiatives." Los Alamos National Laboratories. Office of Energy and Sustainable Systems. Los Alamos, New Mexico. February 16, 2000.

"Electricity 101: Definitions, Precedents, and Issues." Energy Council's 2000 Federal Energy and Environmental Matters Conference. Loews L'Enfant Plaza Hotel, Washington, D.C. March 11-13, 2000.

Roundtable Moderator/Discussant. Mid-South Electric Reliability Summit. U.S. Department of Energy. New Orleans, Louisiana. April 24, 2000.

"A Introduction to Distributed Energy Resources." Summer Meetings, Southeastern Association of Regulatory Utility Commissioners (SEARUC). New Orleans, LA. June 27, 2000.

"Electric Reliability and Merchant Power Development Issues." Technical Meetings of the Louisiana Public Service Commission. Baton Rouge, LA. August 29, 2000.

"Pricing and Regulatory Issues Associated with Distributed Energy." Joint Conference by Econ One Research, Inc., the Louisiana State University Distributed Energy Resources Initiative, and the University of Houston Energy Institute: "Is the Window Closing for Distributed Energy?" Houston, Texas, October 13, 2000.

"Energy Conservation and Electric Restructuring." With Ritchie D. Priddy. Presentation before the Louisiana Department of Natural Resources. Baton Rouge, Louisiana, October 23, 2000.

"The Economic Impacts of Merchant Power Plant Development In Mississippi." Presentation before the Mississippi Public Service Commission. Jackson, Mississippi, March 20, 2001.

"The Changing Nature of the Electric Power Business in Louisiana: Background and Issues." Presentation before the Louisiana Department of Economic Development. Baton Rouge, LA, July 3, 2001.

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"Power Business in Louisiana: Background and Issues." Presentation before the Louisiana Interagency Group on Merchant Power Development. Baton Rouge, LA, July 16, 2001.

"The Changing Nature of the Electric Power Business in Louisiana." Presentation before the Louisiana Department of Environmental Quality. Baton Rouge, LA, August 27, 2001.

"Economic Opportunities for Merchant Power Development in the South." Presentation before the Southern Governor's Association/Southern State Energy Board Meetings. Lexington, KY. September 9, 2001.

"Economic Impacts of Merchant Power Plant Development in Mississippi." Presentation before the U.S. Oil and Gas Association Annual Oil and Gas Forum. Jackson, Mississippi. October 10, 2001.

"Moving to the Front of the Lines: The Economic Impact of Independent Power Production in Louisiana." Presentation before the LSU Center for Energy Studies Merchant Power Generation and Transmission Conference, Baton Rouge, LA. October 11, 2001.

"Merchant Power and Deregulation: Issues and Impacts." Presentation before the Air and Waste Management Association Annual Meeting. Baton Rouge, LA, November 15, 2001.

"Power Plant Siting Issues in Louisiana." Presentation before 24th Annual Conference on Waste and the Environment. Sponsored by the Louisiana Department of Environmental Quality. Lafayette, Louisiana, Cajundome. March 12, 2002.

"Merchant Energy Development Issues in Louisiana." Presentation before the Program Committee of the Center for Legislative, Energy, and Environmental Research (CLEER), Energy Council. April 19, 2002.

"An Introduction to Distributed Energy Resources." Presentation before the U.S. Department of Energy, Office of Renewable Energy and Energy Efficiency, State Energy Program/Rebuild America Conference, August 1, 2002, New Orleans, Louisiana.

"What's Happened to the Merchant Energy Industry? Issues, Challenges, and Outlook" Presentation before the LSU Center for Energy Studies Industry Associates Advisory Council Meeting. November 12, 2002. Baton Rouge, Louisiana.

"Issues and Opportunities with Distributed Energy Resources." Presentation before the Louisiana Biomass Council. April 17, 2003, Baton Rouge, Louisiana.

"Natural Gas Outlook." Presentation before the Louisiana Chemical Association, October 17, 2003, Pointe Clear, Alabama.

"Affordable Energy: The Key Component to a Strong Economy." Presentation before the National Association of Regulatory Utility Commissioners ("NARUC"), November 18, 2003, Atlanta, Georgia.

"Regional Transmission Organization in the South: The Demise of SeTrans" Presentation before the LSU Center for Energy Studies Industry Associates Advisory Council Meeting. December 9, 2003. Baton Rouge, Louisiana.

"Competitive Bidding in the Electric Power Industry." Presentation before the Association of Energy Engineers. Business Energy Solutions Expo. December 11-12, 2003, New Orleans, Louisiana.

"Natural Gas Outlook" Presentation before the St. James Parish Community Advisory Panel Meeting. January 7, 2004, IMC Production Facility, Convent, Louisiana.

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"LNG In Louisiana." Joint Meeting of the Louisiana Economic Development Council and the Governors Cabinet Advisory Council. Baton Rouge, LA. August 5, 2004.

"Energy Issues for Industrial Customers of Gas and Power." Louisiana Chemical Association Post-Legislative Meeting. Springfield, LA. August 9, 2004.

"Natural Gas Supply, Prices and LNG: Implications for Louisiana Industry." Dow Chemical Company Community Advisory Panel Meeting. Plaquemine, LA. August 9, 2004.

"Energy Issues for Industrial Customers of Gas and Power." American Institute of Chemical Engineers – New Orleans Section. New Orleans, LA. September 22, 2004.

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**EXPERT WITNESS, LEGISLATIVE, AND PUBLIC TESTIMONY; EXPERT REPORTS
AND AFFIDAVITS**

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Docket Number 01-1048 (2001). Before the Public Utilities Commission of Nevada. On the Behalf of the Nevada Office of the Attorney General, Bureau of Consumer Protection. Company analyzed: Nevada Bell Telephone Company. Issues: Statistical Issues Associated with Performance Incentive Plans.

Louisiana Board of Commerce and Industry (2001). Testimony on the Economic and Ratepayer Benefits of Merchant Power Generation and Issues Associated with Tax Incentives on Merchant Power Generation and Transmission.

Expert Affidavit before the Federal District Court, Middle District of Louisiana (2001). Issues: Competitive Nature of the Natural Gas Transportation Market in Louisiana. On behalf of a Consortium of Interstate Natural Gas Transportation Companies.

Multiple Dockets (2001). Before the Louisiana Tax Commission. On the Behalf of Louisiana Interstate Pipeline Companies. Testimony on the Competitive Nature of Natural Gas Transportation Services in Louisiana.

Docket Number 01-1049, Docket Number 01-3001. (2001) On behalf the Nevada Office of Attorney General, Bureau of Consumer Protection. Petition of Central Telephone Company-Nevada D/b/a Sprint of Nevada and Sprint Communications L.P. for Review and Approval of Proposed Revised Performance Measures and Review and Approval of Performance Measurement Incentive Plans. Before the Public Utilities Commission of Nevada.

Expert Report. (2001) On Behalf of David Liou and Pacific Richland Products, Inc. to Review Cogeneration Issues Associated with Dupont Dow Elastomers, L.L.C. (DDE) and the Dow Chemical Company (Dow).

Docket Number 24468. (2001). On the Behalf of the Texas Office of Public Utility Counsel. Public Utility Commission of Texas Staff's Petition to Determine Readiness for Retail Competition in the Portion of Texas Within the Southwest Power Pool. Company examined: AEP-SWEPCO.

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Docket Number 000824-EI. Before the Florida Public Service Commission. (2002). On the Behalf of the Citizens of the State of Florida. Company examined: Florida Power Corporation. Issues: Load Forecasts and Billing Determinants for the Projected Test Year.

Docket Number U-22407. Before the Louisiana Public Service Commission (2002). On the Behalf of the Louisiana Public Service Commission Staff. Company examined: Louisiana Gas Services, Inc. Issues: Purchased Gas Acquisition audit, fuel procurement and planning practices.

Expert Report and Testimony. Docket 1997-4665-PV, 1998-4206-PV, 1999-7380-PV, 2000-5958-PV, 2001-6039-PV, 2002-64680-PV, 2003-6231-PV. Before the Kansas Board of Tax Appeals. (2003). In the Matter of the Appeals of CIG Field Services Company from orders of the Division of Property Valuation. On the Behalf of CIG Field Services. Issues: the competitive nature of natural gas gathering in Kansas.

Docket Number 27363. Before the Public Utilities Commission of Texas. Joint Affidavit on Behalf of the Cities of Texas and the Staff of the Public Utilities Commission of Texas Regarding Certified Issues. In Re: Application of Valor Telecommunications, L.P. For

Authority to Establish Extended Local Calling Service (ELCS) Surcharges For Recovery of ELCS Surcharge.

Docket Number 040001-EI. Before the Florida Public Service Commission. On behalf of Power Manufacturing Systems LLC, Thomas K. Churbuck, and the Florida Industrial Power Users Group. In re: Fuel Adjustment Proceedings; Request for Approval of New Purchase Power Agreements. Company examined: Florida Power & Light Company.

REFEREE AND EDITORIAL APPOINTMENTS

Referee, 1995-Current, *Energy Journal*

Referee, 2002, *Resource & Energy Economics*

Referee, 2004, *Southern Economic Journal*

Contributing Editor, 2000-Current, *Oil, Gas and Energy Quarterly*

Committee Member, IAEE/USAE Student Paper Scholarship Award Committee, 2003

PROPOSAL TECHNICAL REVIEWER

California Energy Commission, Public Interest Energy Research (PIER) Program (1999).

PROFESSIONAL ASSOCIATIONS

American Economic Association, American Statistical Association, Econometric Society, Southern Economic Association, Western Economic Association, and the International Association of Energy Economists.

HONORS AND AWARDS

Omicron Delta Epsilon (1992-Current)

Florida Public Service Commission, Staff Excellence Award for Assistance in the Analysis of Local Exchange Competition Legislation (1995).

Distinguished Research Award, Academy of Legal, Ethical and Regulatory Issues, Allied Academics (2002).

Interstate Oil and Gas Compact Commission (IOGCC) "Best Practice" Award for Research on the Economic Impact of Oil and Gas Activities on State Leases for the Louisiana Department of Natural Resources (2003).

Baton Rouge Business Report, Selected as "Top 40 Under 40" (2003).

TEACHING EXPERIENCE

Principles of Microeconomic Theory

Principles of Macroeconomic Theory

Lecturer, Electric Power Industry Environmental Issues, Field Course on Energy and the Environment. (Dept of Environmental Studies).

Lecturer, Electric Power Industry Trends, Principles Course in Power Engineering (Dept. of Electric Engineering).

Continuing Education. Electric Power Industry Restructuring for Energy Professionals.

THESIS/DISSERTATIONS COMMITTEES

Thesis Committee Memberships (Environmental Studies)

Doctoral Committee Memberships (Information Systems & Decision Sciences, Agricultural and Resource Economics).

LSU SERVICE AND COMMITTEE MEMBERSHIPS

LSU Faculty Senate Committee on Public Relations (1997-1999)

LSU Faculty Senate Committee on Student Retention and Recruitment (1999-2003)

LSU CES/SCE Public Art Selection Committee (2003-2004)

LSU InterCollege Environmental Cooperative. Term: 1999-2001.

LSU Main Campus Cogeneration/Turbine Project, (1999-2000).

Co-Chairman, Review Committee, Louisiana Port Construction and Development Priority Program Rules and Regulations, On Behalf of the LSU Ports and Waterways Institute. (1997).

Conference Coordinator. Center for Energy Studies Seminar Series on Electric Utility Restructuring and Wholesale Competition. (1996-2003).

Conference Coordinator. Center for Energy Studies Annual Energy Conference/Summit. (2003-Current).

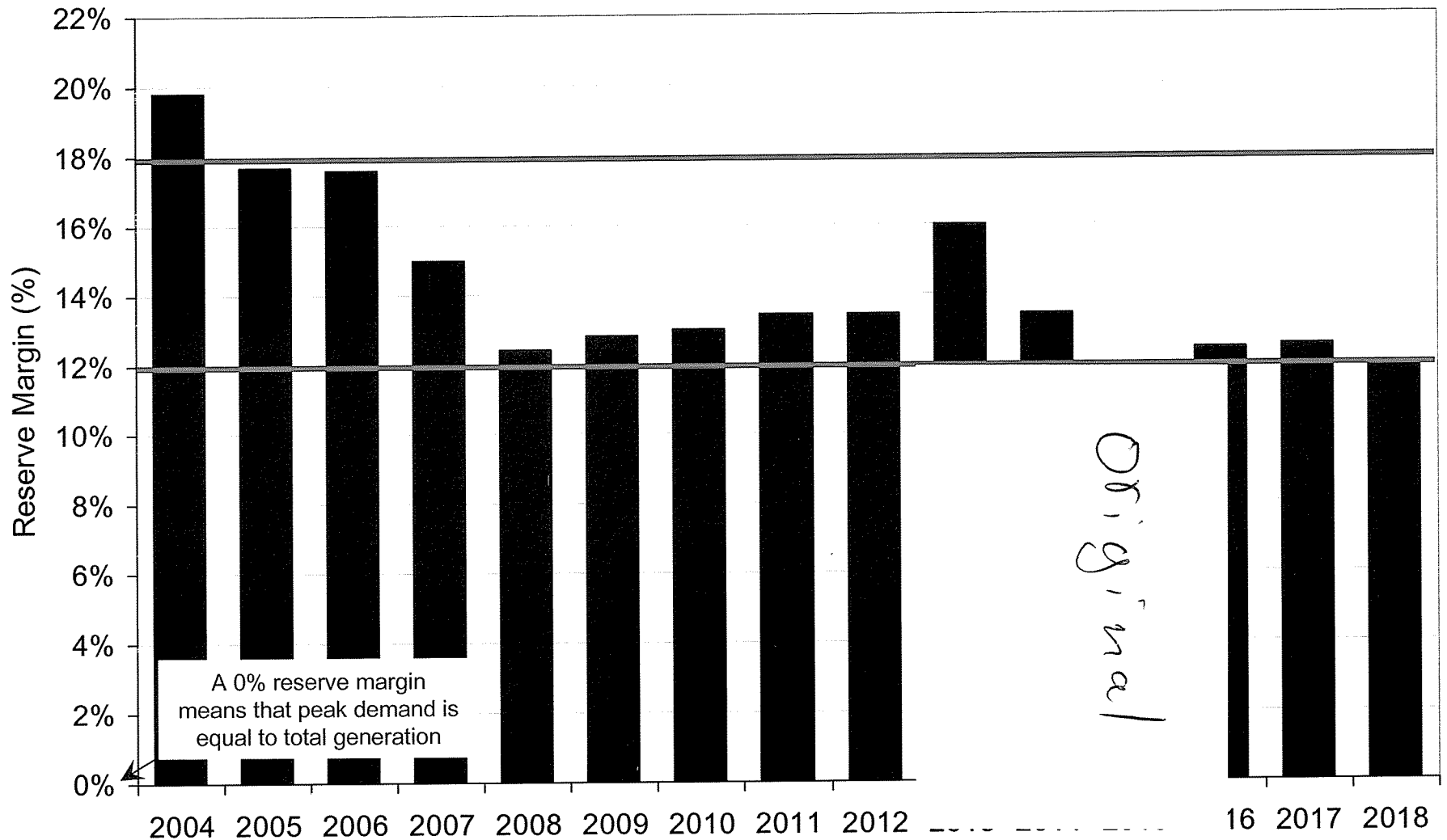
LSU Faculty Senate (2003-2006)

LSU Graduate Faculty, Associate Member (1997-2004); Full Member (2004-Current)

Advisor, Louisiana LNG Buyers/Developers Summit, Office of the Governor/Louisiana Department of Economic Development/Louisiana Department of Natural Resources (2004).

SCE&G Forecasted Reserve Margin (2004-2018)

Docket No. 2004-178-E
David E. Dismukes, Ph.D.
Exhibit No. ____ (DED-1)
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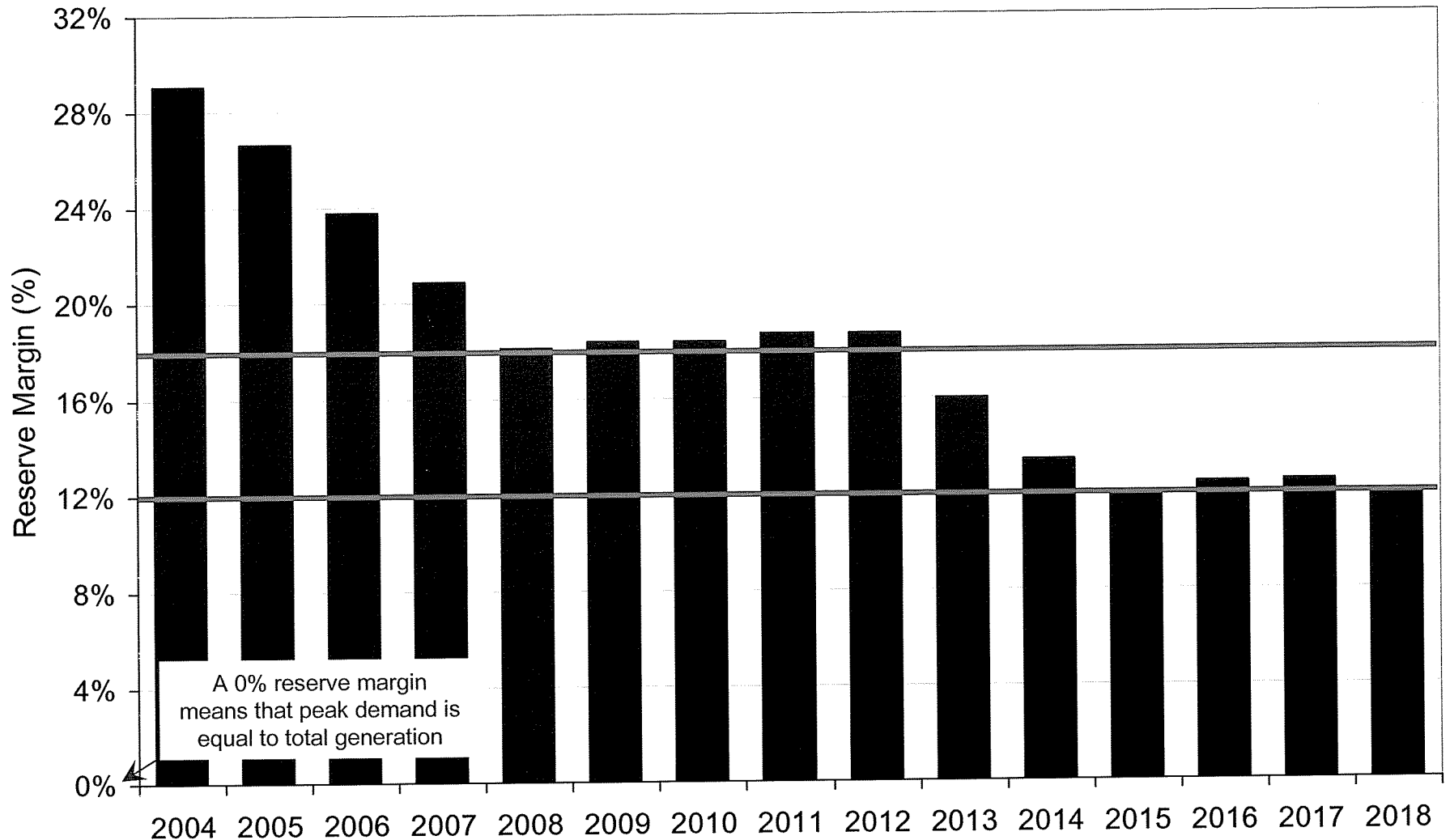
SCE&G Reserve Margin Using SCE&G's Varying Growth Rates

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Exhibit No. ____ (DED-2)
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	Current Forecast		Last Rate Case		2000 IRP		Fuel Forecast		VACAR	
	Net Peak (MW)	Growth Rate (%)	Net Peak (MW)	Growth Rate (%)	Net Peak (MW)	Growth Rate (%)	Net Peak (MW)	Growth Rate (%)	Net Peak (MW)	Growth Rate (%)
2004	4,506		4,506		4,506		4,477		4,506	
2005	4,593	1.93%	4,603	2.15%	4,615	2.42%	4,559	1.8%	4,601	2.10%
2006	4,699	2.31%	4,702	2.15%	4,708	2.02%	4,670	2.4%	4,697	2.10%
2007	4,811	2.38%	4,786	1.80%	4,794	1.83%	4,767	2.1%	4,796	2.10%
2008	4,925	2.37%	4,866	1.67%	4,896	2.13%	4,856	1.9%	4,897	2.10%
2009	5,039	2.31%	4,951	1.74%	5,003	2.19%	4,967	2.3%	4,999	2.10%
2010	5,166	2.52%	5,040	1.79%	5,104	2.02%	5,072	2.1%	5,104	2.10%
Average		2.30%		1.88%		2.10%		2.10%		2.10%

SCE&G Forecasted Reserve Margin Excluding Off System Sales (2004-2018)

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David E. Dismukes, Ph.D.
Exhibit No. ____ (DED-3)
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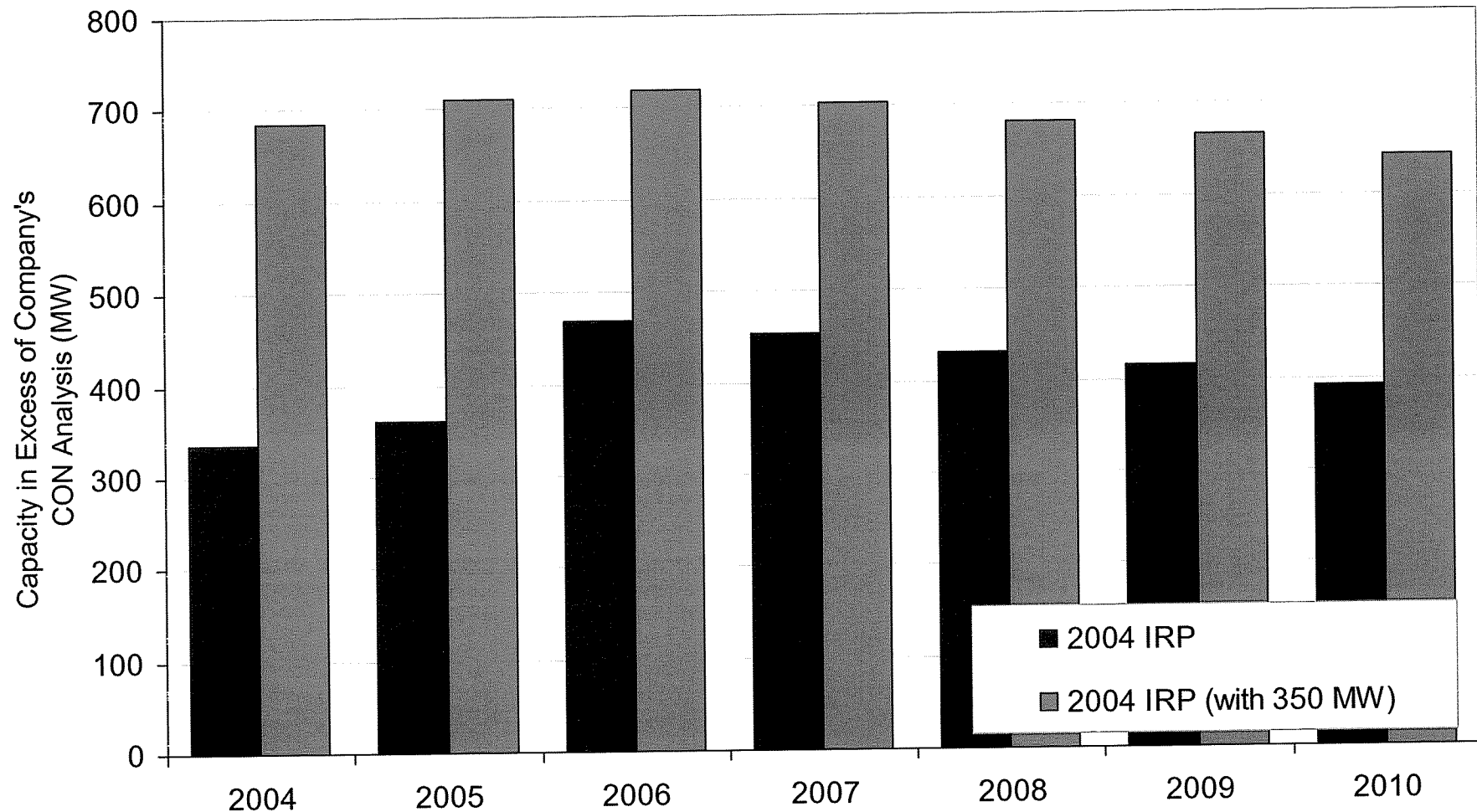
**SCE&G Peak Demand, Reserve Margin and Supply
Schedule Presented in the CON Proceeding**

Docket No. 2004-178-E
David E. Dismukes, Ph.D.
Exhibit No. ____ (DED-4)
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	Gross Peak	DSM	Firm Peak	Midpoint Reserve Margin (MW)	Supply Required	Existing Supply	Supply Shortfall
2002	4,626	282	4,344	652	4,996	4,938	(58)
2003	4,709	282	4,427	664	5,091	4,938	(153)
2004	4,797	282	4,515	677	5,192	4,938	(254)
2005	4,894	282	4,612	692	5,304	4,938	(366)
2006	4,993	282	4,711	707	5,418	4,938	(480)
2007	5,078	282	4,796	719	5,515	4,938	(577)
2008	5,158	282	4,876	731	5,607	4,938	(669)
2009	5,243	282	4,961	744	5,705	4,938	(767)
2010	5,332	282	5,050	758	5,808	4,938	(870)

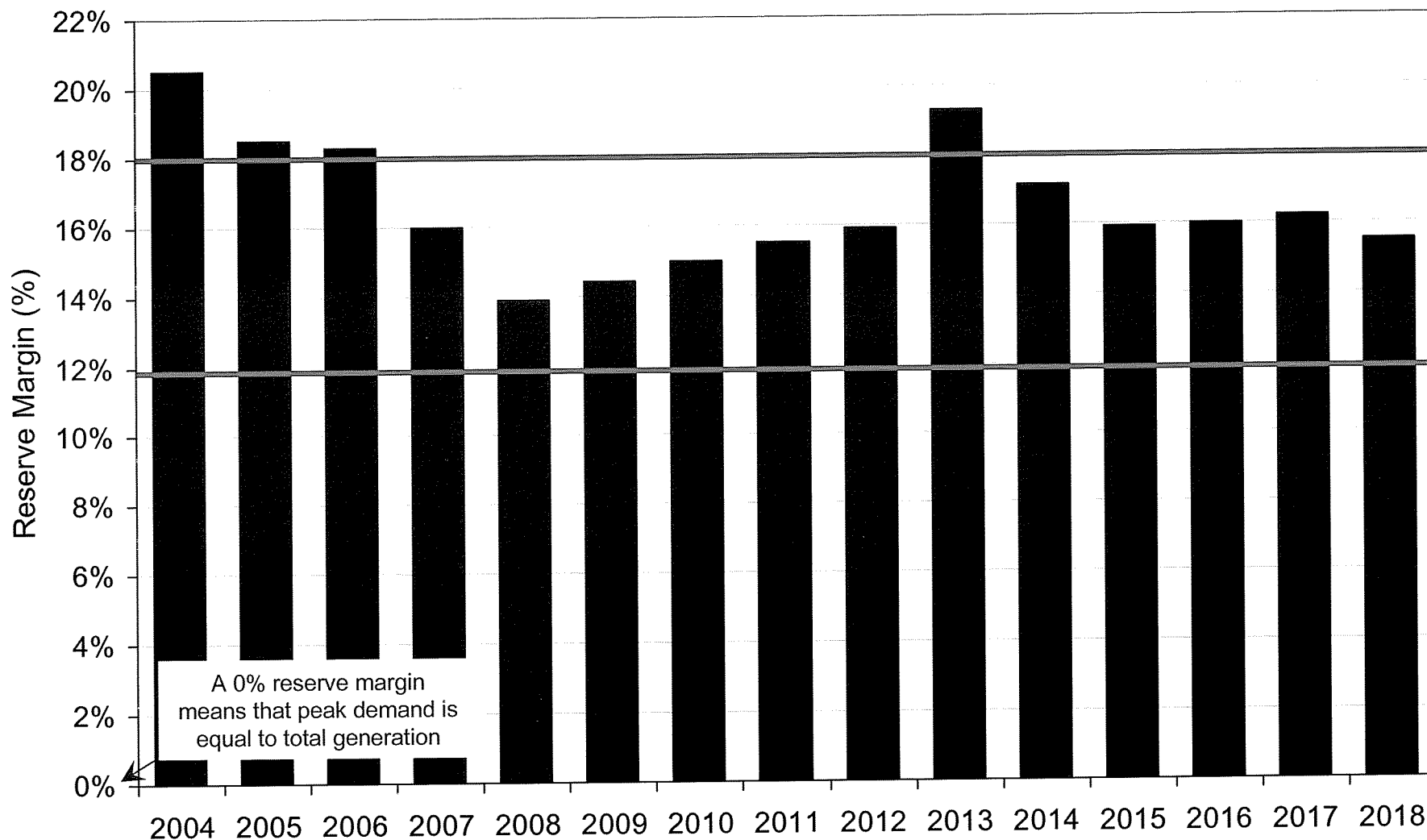
Company's Estimated CON Supply Requirements Versus Projected Excess Under Current IRP Peak Demand Forecast

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Exhibit No. ____ (DED-5)
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SCE&G Reserve Margin Using Demand Estimates from Fuel Filing

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Note: NCEMC contracts counted as recallable resource for native load

SCE&G Reserve Margin Using Demand Estimates (Excluding Jasper 42%)

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	Using Previous Growth Rate Assumptions		Fuel		VACAR
	Current Forecast 2004 IRP	Last Rate Case	2000 IRP	Forecast	
2004	20.9%	20.9%	20.9%	20.5%	20.9%
2005	18.7%	18.4%	18.1%	18.5%	18.5%
2006	16.0%	15.9%	15.8%	18.3%	16.0%
2007	13.3%	13.9%	13.7%	16.0%	13.6%
2008	10.7%	12.0%	11.3%	13.9%	11.3%
2009	11.1%	13.1%	11.9%	14.4%	12.0%
2010	11.3%	14.1%	12.7%	15.0%	12.6%

SCE&G Analysis of Configuration Options

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Options	Net Present Value of Comparative Revenue Requirements (\$/Million)
1. "CC 875" Add 875 MW Combined Cycle Plant	\$ 6,679.30
2. "CC 449" Add 449 MW Combined Cycle Plant	\$ 6,859.10
3. "CT" Add Combustion Turbines Only	\$ 6,901.60
4. "COAL" Add a 400 MW Coal Plant	\$ 6,925.70

	CC875	CC449	CT	COAL
2004	547.1	539.9	516.9	565.6
2005	576.6	579.8	600.8	596.6
2006	593.0	597.7	590.5	614.6
2007	597.4	613.2	606.1	627.0
2008	647.4	665.6	666.9	691.5
2009	660.9	698.0	700.5	708.1
2010	703.3	720.3	722.4	727.8
2011	747.3	764.2	769.1	781.2
2012	787.8	805.4	813.6	805.7
2013	819.9	832.4	841.4	844.9
2014	865.0	894.0	909.1	904.9
2015	914.9	962.4	976.5	951.7
2016	986.6	1,035.2	1,054.1	1,021.7
2017	1,057.0	1,107.1	1,134.4	1,094.0
2018	1,134.0	1,183.9	1,215.7	1,165.4
2019	1,224.4	1,278.8	1,315.1	1,256.9
2020	1,315.2	1,373.5	1,416.7	1,348.9
2021	1,422.9	1,467.9	1,518.3	1,456.6
2022	1,522.4	1,583.7	1,658.9	1,579.9
2023	1,641.2	1,721.5	1,792.0	1,680.8

Revenue Requirement of Additional Capacity of the Jasper Plant

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	Retail Impact	Incremental Impact -- Jasper		
		Year 1	Year 2	Year 3
		(million \$)		
Rate Base Impact				
Plant In Service	\$ 476.4	\$ 232.0	\$ 232.0	\$ 232.0
Depreciation	\$ (19.0)	\$ (9.2)	\$ (18.5)	\$ (27.7)
Net Plant	\$ 457.5	\$ 222.7	\$ 213.5	\$ 204.3
ROR		0.0918	0.0918	0.0918
NOI Impact		\$ 20.4	\$ 19.6	\$ 18.8
Revenue Conversion Factor		0.61478	0.61478	0.61478
Revenue Requirement Impact		\$ 33	\$ 32	\$ 31
Expense Impact				
Firm Gas Capacity	\$ 14.4	\$ 7.0	\$ 7.0	\$ 7.0
Other O&M	\$ 6.1	\$ 3.0	\$ 3.0	\$ 3.0
Increase in O&M Expenses	\$ 20.5	\$ 10.0	\$ 10.0	\$ 10.0
Increase in Depreciation Expense	\$ 19.0	\$ 9.2	\$ 9.2	\$ 9.2
Increase in Property Taxes	\$ 5.0	\$ 2.4	\$ 2.4	\$ 2.4
Total Increase in Expenses	\$ 44.4	\$ 21.6	\$ 21.6	\$ 21.6
Less:				
State Tax @ 5%		\$ 1.1	\$ 1.1	\$ 1.1
Federal Tax (Inc. Marg-State Tax) @ 35%		\$ 7.2	\$ 7.2	\$ 7.2
Net Impact of Adjustment		\$ 13.4	\$ 13.4	\$ 13.4
Revenue Conversion Factor		0.61478	0.61478	0.61478
Revenue Requirement Impact		\$ 21.7	\$ 21.7	\$ 21.7
Total Incremental Plant Impact (Expenses and Rate Base)		\$ 55.0	\$ 53.6	\$ 52.2
Revenue from Sale to NCEMC				
NOI Impact		\$ (23.6)	\$ (23.6)	\$ (17.7)
Revenue Conversion Factor		0.61478	0.61478	0.61478
Revenue Requirement Impact		\$ (38.5)	\$ (38.5)	\$ (28.8)
Net Revenue Requirement Impact of Incremental Plant Capacity Offset with NCEMC Revenue		\$ 16.5	\$ 15.2	\$ 23.5

NCEMC System Projected Summer Load and Capacity (MW)

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Section 2: Tabular Information

Table 2-1: NCEMC System Projected Summer Load and Capacity (MW)

Load Requirements:	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Total Demand *	2,633	2,695	2,742	2,794	2,833	2,905	2,965	3,026	3,076	3,161	3,228
Demand Side Management /	233	222	233	233	223	231	233	223	233	223	233
Net Demand (MW)	2,400	2,473	2,509	2,561	2,610	2,674	2,732	2,803	2,843	2,938	2,995
Capacity Resources:											
Calamba Nuclear Station *	624	624	624	624	624	624	624	624	624	624	624
Direct Generation *	18	18	18	18	18	18	18	18	18	18	18
REP 1003	0	0	620	920	920	920	920	920	920	920	920
Total Capacity Resources (MW)	642	642	1,262	1,562	1,562	1,562	1,562	1,562	1,562	1,562	1,562
Purchased Resources: *											
SEPA Areas 304 *	78	78	78	77	77	77	77	77	77	77	77
AFD Purchase	205	205	205	205	205	205	205	205	205	205	205
UEC SORT Purchase	675	750	720	600	870	870	870	870	870	870	870
SEAC Intermediate Reserve	250	250	250	250	250	250	250	250	250	250	250
AFD Base Load Reserve	150	150	150	150	150	150	150	150	150	150	150
Young Power DPA	250	150	150	150	150	150	150	150	150	150	150
SEAC Peaking	100	100	0	0	0	0	0	0	0	0	0
Southern Peaking	100	100	0	0	0	0	0	0	0	0	0
Domestic Peaking	50	50	0	0	0	0	0	0	0	0	0
PEC Peaking Reserve *	50	50	0	0	0	0	0	0	0	0	0
REP 1003 (Surrenderable)	600	0	0	0	0	0	0	0	0	0	0
Total Purchases for Major Areas (MW)	2,558	2,333	1,852	1,632	1,702	1,702	1,702	1,687	1,682	1,687	1,682
Total Capacity Sales to Independent Members (MW)	934	518	518	518	518	454	454	332	332	271	221
Net Resources for Participating Members (MW)	2,466	2,457	2,598	2,686	2,754	2,620	2,620	2,737	2,737	2,446	2,223
Undesignated Reserve (MW) *	0	0	0	0	0	0	50	200	350	615	900
Net Reserve Capacity (MW) *	66	5	87	125	125	148	133	141	126	145	128
Annual Energy (GWh) *	11,140	11,321	11,544	11,784	12,032	12,275	12,528	12,814	13,100	13,302	13,655

- Total Demand is NCEMC's Participating Member coincident peak (NCEMC CP) measured at generation.
- Demand Side Management includes customer owned generation, interruptible load and residential load management as reported by NCEMC's Participating Member cooperatives, mostly in PEC supply area
- Calamba Nuclear Station ownership capacity reflects both Participating and Independent Members, as the ownership is by NCEMC
- NCEMC assumes all capacity purchases will be 100% firm with reserves provided by the supplying entity. Further, Purchased Resources are for Participating and Independent Members
- SEPA Allocations are for Participating Members
- The CP&L Peaking Resource contract expires in 2004. NCEMC has an option to extend the purchase to 2005.
- Undesignated Reserves will be adjusted to include reserves in the future for those resources that are not firm.
- All purchases included reserves. Future purchases will include reserves or NCEMC will acquire them independently.
- Energy values are measured at generation for Participating Members

NCCEMC System Projected Winter Load and Capacity (MW)

Section 2: Tabular Information

Table 2-2: NCCEMC System Projected Winter Load and Capacity (MW)

	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14
Load Requirements:											
Total Demand ¹	2,470	2,485	2,506	2,508	2,421	2,475	2,519	2,574	2,611	2,644	2,747
Demand Side Management ²	171	171	171	171	171	171	171	171	171	171	171
Net Demand (MW)	2,300	2,314	2,335	2,337	2,250	2,304	2,347	2,403	2,440	2,473	2,576
Capacity Resources:											
Calumet Nuclear Station	624	624	624	624	624	624	624	624	624	624	624
Other Generation	18	18	18	18	18	18	18	18	18	18	18
HEP (MW)	0	0	0	0	0	0	0	0	0	0	0
Total Capacity Resources (MW)	642	642	642	642	642	642	642	642	642	642	642
Purchased Resources:											
SEPA Allocation ³	78	78	77	77	77	77	77	77	77	77	77
AEP Purchase	205	205	205	205	205	205	205	205	205	205	205
PEC SDR Purchase	675	675	675	675	675	675	675	675	675	675	675
SCEG Intermediate Resource	250	250	250	250	250	250	250	250	250	250	250
AEP Base Load Resource	150	150	150	150	150	150	150	150	150	150	150
Wichita Power PPA	250	250	250	250	250	250	250	250	250	250	250
SCEG Peaking	100	100	100	100	100	100	100	100	100	100	100
Southern Peaking	100	100	100	100	100	100	100	100	100	100	100
Domestic Peaking	50	50	50	50	50	50	50	50	50	50	50
PEC Peaking Resource ⁴	50	50	50	50	50	50	50	50	50	50	50
Miss 1000 (Supplemental)	0	0	500	270	0	0	0	0	0	0	0
Total Purchases for Multiple Areas (MW)	2,458	2,458	2,532	1,652	1,932	1,702	1,702	1,702	1,497	1,497	1,037
Total Capacity Serves to Independent Members (MW)	836	836	918	518	518	518	454	454	332	332	221
Net Resources for Participating Members (MW)	2,468	2,468	2,456	2,636	2,728	2,783	2,867	2,867	2,733	2,730	2,450
Undesignated Resource (MW) ⁵	0	0	0	0	0	0	0	50	200	250	625
Net Demand (MW) ⁶	167	352	301	431	478	484	515	508	513	512	530
Average Energy (GWh) ⁷	11,140	11,203	11,564	11,754	12,012	12,275	12,538	12,814	13,100	13,350	13,655

- ¹ Total Demand is NCCEMC's Participating Member coincident peak (NCCEMC CP) measured at generation.
- ² Demand Side Management includes customer owned generation, interruptible load and residential load management as reported by NCCEMC's Participating Member cooperatives, mostly in PEC supply area.
- ³ Calumet Nuclear Station ownership capacity reflects both Participating and Independent Members, as the ownership is by NCCEMC.
- ⁴ NCCEMC assumes all capacity purchases will be 100% firm with reserves provided by the supplying entity. Further, Purchased Resources are for Participating and Independent Members.
- ⁵ SEPA Allocations are for Participating Members.
- ⁶ The CPRI Peaking Resource contract expires in 2004. NCCEMC has an option to extend the purchase to 2005.
- ⁷ Undesignated Resources will be adjusted to include reserves in the future for those resources that are not firm.
- ⁸ All purchases included reserves. Future purchases will include reserves or NCCEMC will acquire them independently.
- ⁹ Energy values are measured at generation for Participating Members for the calendar year beginning in January.

SCE&G Forecast of Summer Loads and Resources (from 2004 IRP)

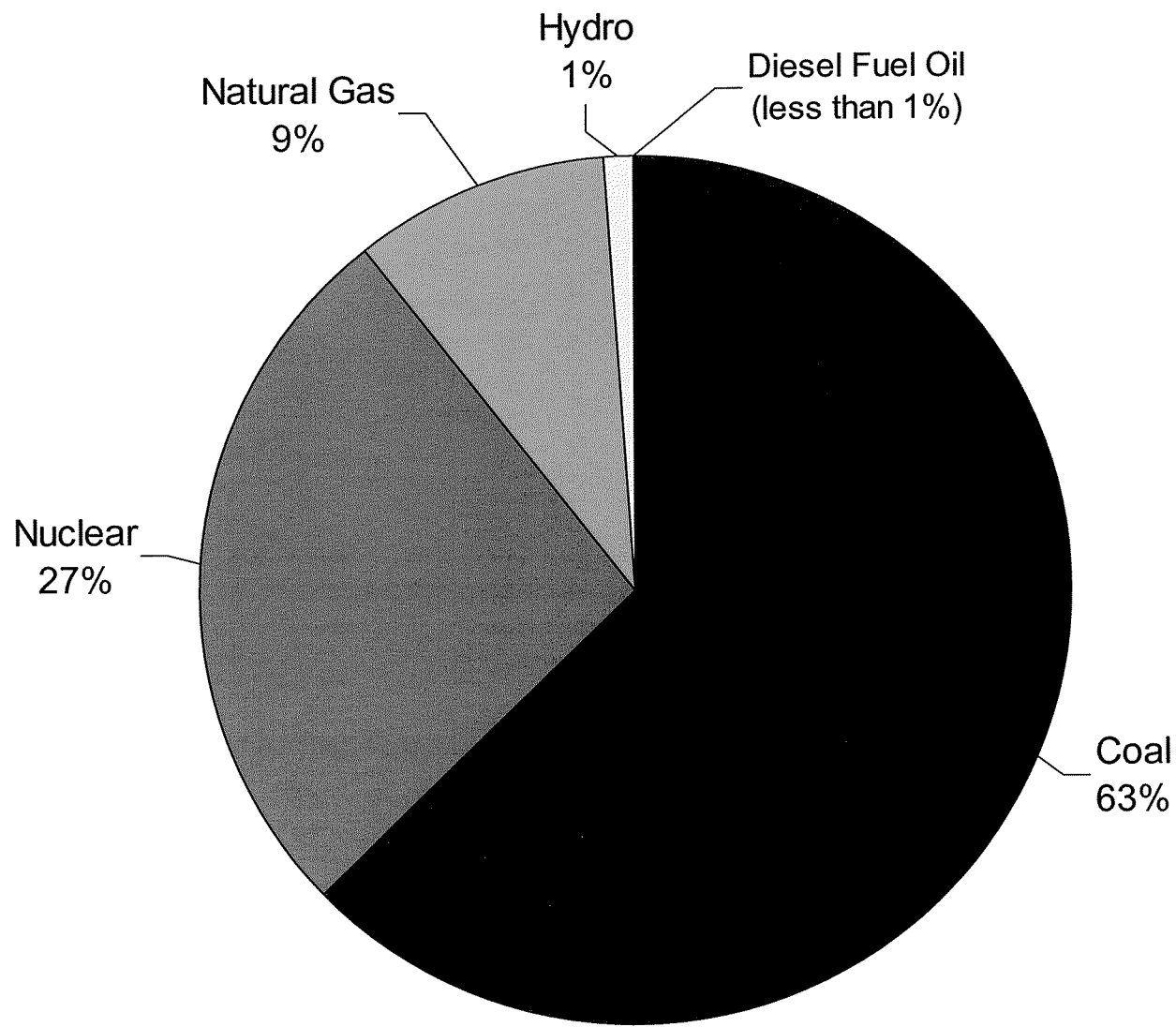
Docket No. 2004-178-E
David E. Dismukes, Ph.D.
Exhibit No. ____ (DED-11)
Page 1 of 1

SCE&G's Forecast of Summer Loads and Resources – 15 Years

<u>YEAR</u>	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Load Forecast															
1 Gross Territorial Peak	4720	4807	4913	5025	5139	5253	5380	5493	5622	5747	5876	5989	6102	6231	6346
2 Less: DSM	214	214	214	214	214	214	214	214	214	214	214	214	214	214	214
3 Net Territorial Peak	4506	4593	4699	4811	4925	5039	5166	5279	5408	5533	5662	5775	5888	6017	6132
4 Firm Contract Sales	350	350	250	250	250	250	250	250	250						
5 Total Firm Obligation	4856	4943	4949	5061	5175	5289	5416	5529	5658	5533	5662	5775	5888	6017	6132
System Capacity															
6 Existing	4927	5818	5818	5818	5818	5818	5968	6118	6268	6418	6418	6418	6418	6568	6718
Additions															
7 Fairfield P.S.	16														
8 Jasper Combined Cycle	875														
9 Undecided						150	150	150	150				150	150	150
10 Total System Capacity	5818	5818	5818	5818	5818	5968	6118	6268	6418	6418	6418	6418	6568	6718	6868
11 Firm Annual Purchase												50	50	50	
12 Total Production Capability	5818	5818	5818	5818	5818	5968	6118	6268	6418	6418	6418	6468	6618	6768	6868
Reserves With DSM															
13 Margin	962	875	869	757	643	679	702	739	760	885	756	693	730	751	736
14 % Reserve Margin	19.8%	17.7%	17.6%	15.0%	12.4%	12.8%	13.0%	13.4%	13.4%	16.0%	13.4%	12.0%	12.4%	12.5%	12.0%
15 % Capacity Margin	16.5%	15.0%	14.9%	13.0%	11.1%	11.4%	11.5%	11.8%	11.8%	13.8%	11.8%	10.7%	11.0%	11.1%	10.7%
Reserves Without DSM															
16 Margin	748	661	655	543	429	465	488	525	546	671	542	479	516	537	522
17 % Reserve Margin	14.8%	12.8%	12.7%	10.3%	8.0%	8.4%	8.7%	9.1%	9.3%	11.7%	9.2%	8.0%	8.5%	8.6%	8.2%
18 % Capacity Margin	12.9%	11.4%	11.3%	9.3%	7.4%	7.8%	8.0%	8.4%	8.5%	10.5%	8.4%	7.4%	7.8%	7.9%	7.6%

SCG&E Fuel Mix

Docket No. 2004-178-E
David E. Dismukes, Ph.D.
Exhibit No. ____ (DED-12)
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Summary of Competitive Bidding Rules

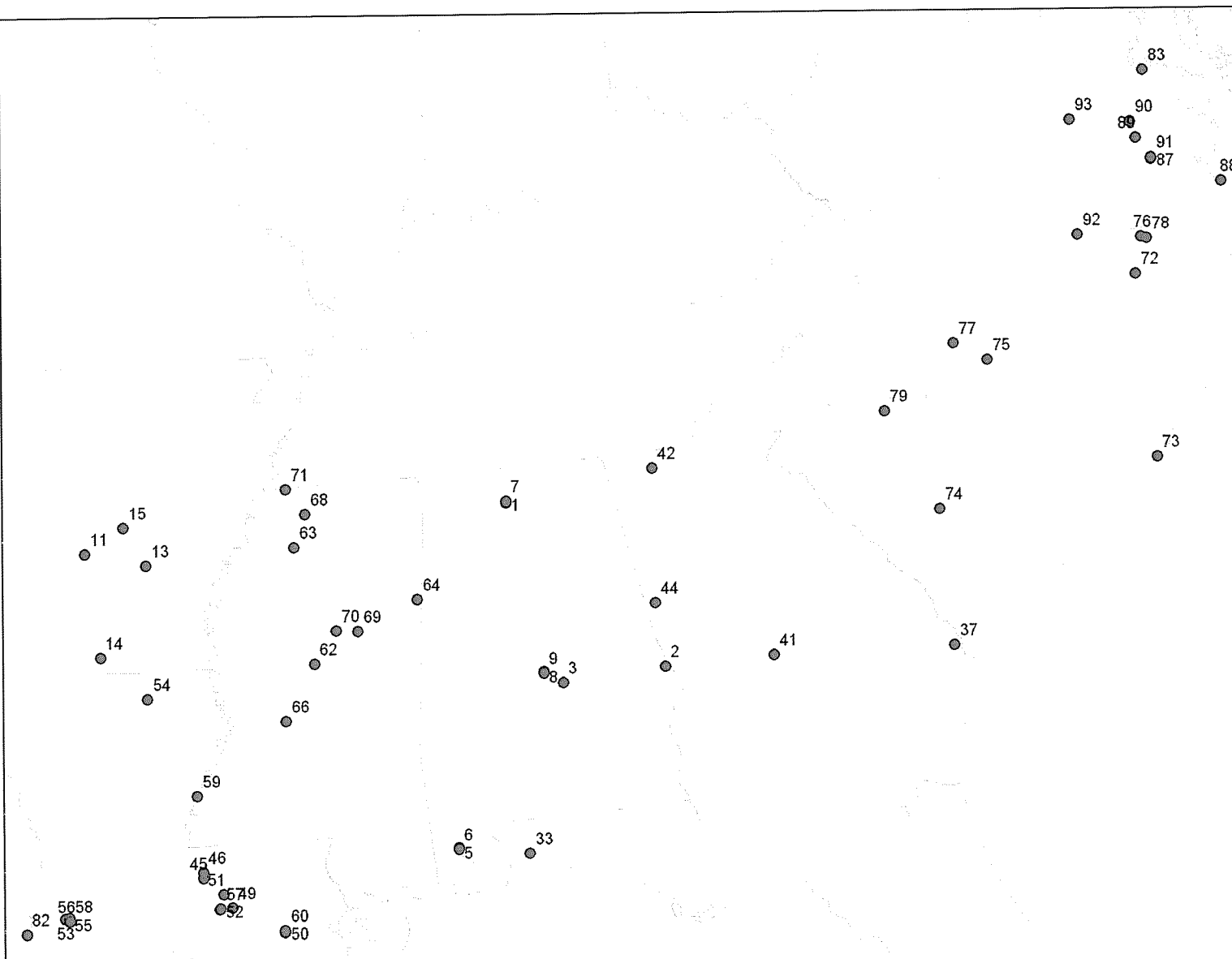
Docket No. 2004-178-E
David E. Dismukes, Ph.D.
Exhibit No. ____ (DED-13)
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State	Description
Florida	Before building a plant larger than 75 MW, a utility must secure a determination of need from the Florida PSC. Prior to filing this need determination, the utility is required to solicit and evaluate competitive proposals for supply alternatives by issuing a RFP.
Georgia	For each block of required new supply-side resourced identified in a utility's Integrated Resource Plan, the utility must issue a formal written RFP to all potential suppliers. If the utility wishes to consider an option for full or partial ownership of a self-build option, it must submit its construction proposal to provide all or part of the capacity requested in the RFP as a sealed bid with a copy submitted to an independent accounting firm.
Louisiana	Electric utilities must employ a "market based mechanism to support the acquisition of generating capacity or purchase power contracts intended to serve LSPC-jurisdictional retail customers." This "market based mechanism" is defined as a RFP competitive solicitation process. A utility may propose an alternative process or procedure if it can demonstrate that circumstances indicate that a formal RFP would not be in the public interest
Alabama	Although a formal bidding process is not required by law, the Alabama PSC has urged the development of RFP guidelines to promote bidder confidence and insure that retail customers reap the benefits of wholesale competition.
Arkansas	The Arkansas PSC initiated a proceeding in 2003 to develop Comprehensive Resource Planning Guidelines to be followed by jurisdictional electric utilities

Merchant Development in the SERC Region

Docket No. 2004-178-E
David E. Dismukes, Ph.D.
Exhibit No. ____ (DED-14)
Page 1 of 1

Plant Name	Capacity (MW)
1 Decatur Energy Center	624
2 Franklin	1,139
3 Harris	1,035
5 Hog Bayou Energy Center	230
6 Mobile Energy Services LLC	125
7 Morgan Energy Center	588
8 Tenaska Cntl Alabama Gen St	808
9 Tenaska Lindsay Hill Gen St	858
10 Hot Spring Energy Facility	652
13 Pine Bluff Energy Center	198
14 Union Power Station	2,020
15 Wrightsville Power Facility	568
33 Santa Rosa Energy Center	236
37 Effingham County Power Proj	490
41 Mid-Georgia Cog Fac	316
42 Murray Energy Facility	1,244
44 Wansley	1,066
45 Big Cajun 1	220
46 Big Cajun 2	1,730
49 Carville Energy LLC	500
50 Dow St Charles Operations	292
51 ExxonMobil Baton Rouge Cogen	332
52 LaO Energy Systems	588
53 Nelson Industrial Steam	213
54 Ouachita Generating Plant	816
55 PPG Powerhouse C	303
56 PPG Riverside	154
57 Plaquemine Cogeneration	859
58 RS Cogen	396
59 Sidney A Murray Jr Hydro	192
60 Taft Cogeneration Facility	790
62 Attala Generating LLC	459
63 Batesville Generation Facility	858
64 Caledonia	783
66 Hinds Energy Facility	450
68 Magnolia Power Plant	863
69 Red Hills Generating Facility	440
70 Reliant Energy Choctaw County	726
71 Southaven Energy LLC	783
72 Cogentrix Dw Collier Battle Cogen	105
73 Cogentrix Southport	107
74 Columbia Energy Center	580
75 Narrows	107
76 Panda Rosemary LP	165
77 Rowan	967
78 Westmoreland-LG&E Roanoke Val I	165
79 Cherokee County Cogen	95
82 SRW Cogen LP	420
83 Birchwood Power	238
87 Cogentrix Hopewell	93
88 Cogentrix Portsmouth	115
89 Cogentrix of Richmond	190
90 Doswell Energy Center	820
91 Hopewell Cogeneration	348
92 Mecklenburg Cog Fac	132
93 Tenaska Virginia Gen St	946
Total	30,537



Note: Does not include peaking facilities

Merchant Development in SERC by Subregion

Docket No. 2004-178-E
David E. Dismukes, Ph.D.
Exhibit No. ____ (DED-15)
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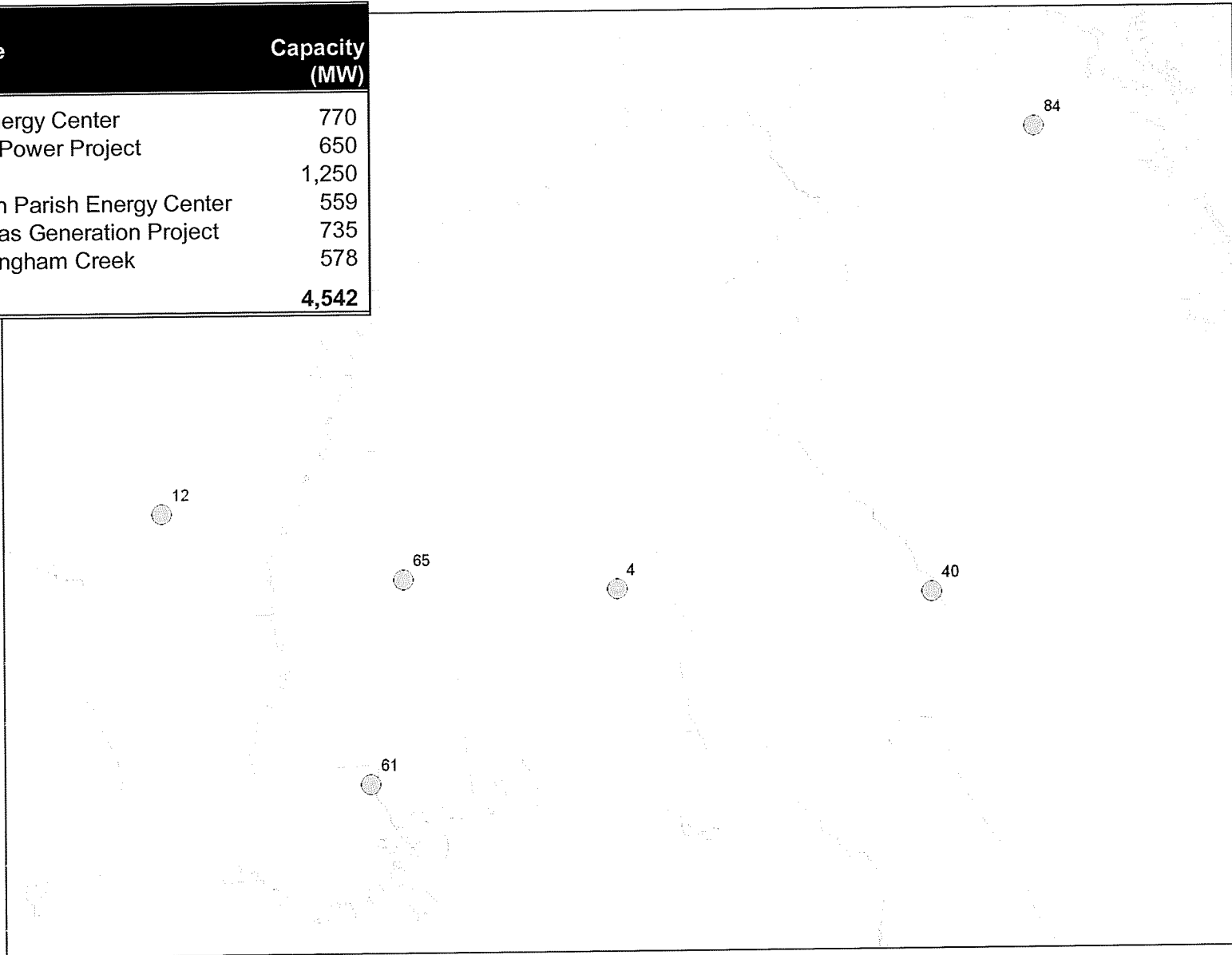
Subregion	Number of Plants	MW of Capacity
Entergy	22	12,934
Southern	11	7,548
TVA	7	4,882
VACAR	16	5,173
Total	56	30,537

Note: Does not include peaking facilities

Merchant Facilities Under Construction in SERC

Docket No. 2004-178-E
David E. Dismukes, Ph.D.
Exhibit No. ____ (DED-16)
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Plant Name	Capacity (MW)
4 Hillabee Energy Center	770
12 Hot Spring Power Project	650
40 McIntosh	1,250
61 Washington Parish Energy Center	559
65 Choctaw Gas Generation Project	735
84 CPV Cunningham Creek	578
Total	4,542

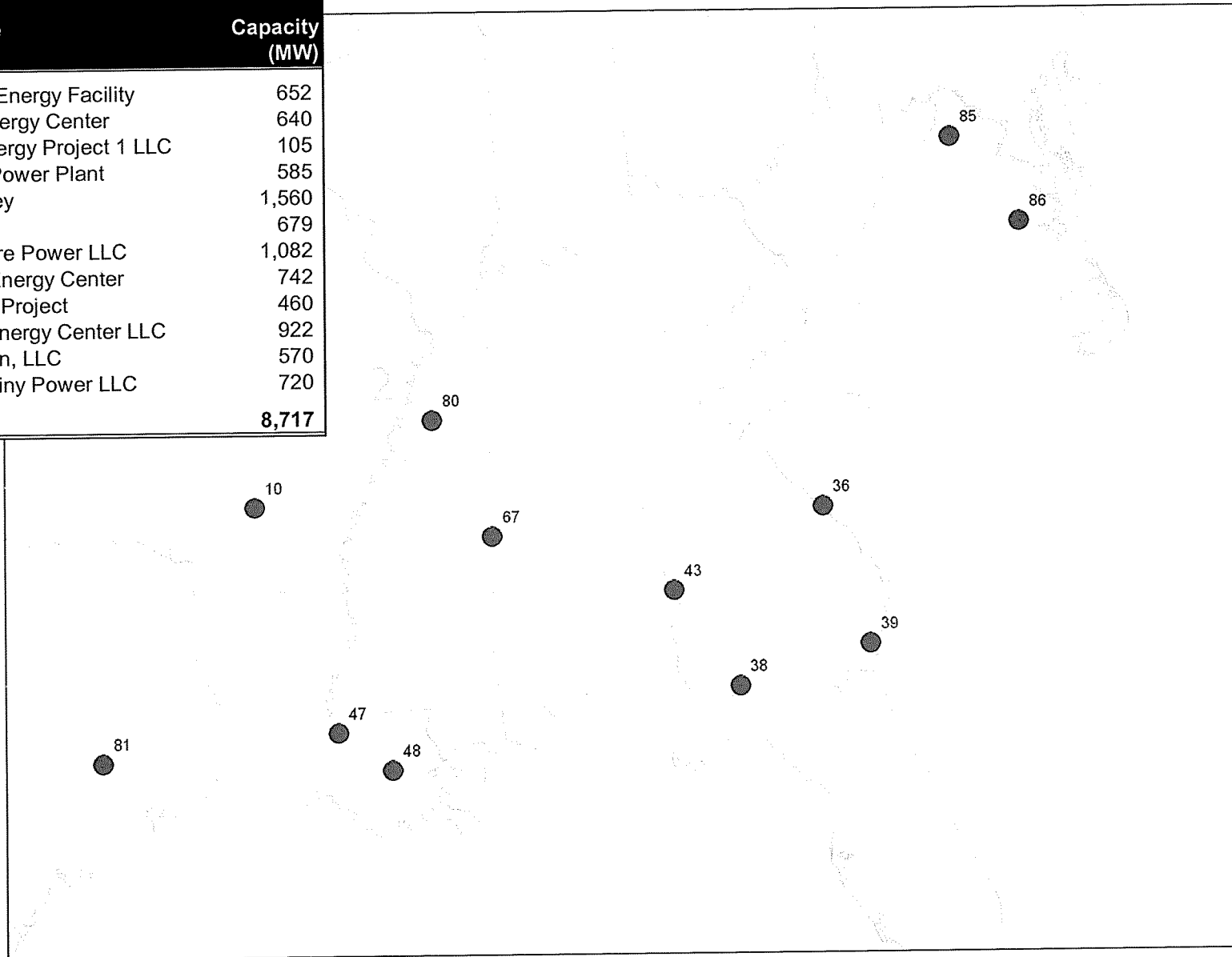


Note: Does not include peaking facilities

Merchant Facilities Under Development in SERC

Docket No. 2004-178-E
David E. Dismukes, Ph.D.
Exhibit No. ____ (DED-17)
Page 1 of 1

Plant Name	Capacity (MW)
11 Hot Spring Energy Facility	652
36 Augusta Energy Center	640
38 Georgia Energy Project 1 LLC	105
39 Live Oaks Power Plant	585
43 Peace Valley	1,560
47 Big Cajun 2	679
48 Bonnet Carre Power LLC	1,082
67 Lone Oak Energy Center	742
81 MC Energy Project	460
80 Haywood Energy Center LLC	922
85 CPV Warren, LLC	570
86 Chickahominy Power LLC	720
Total	8,717

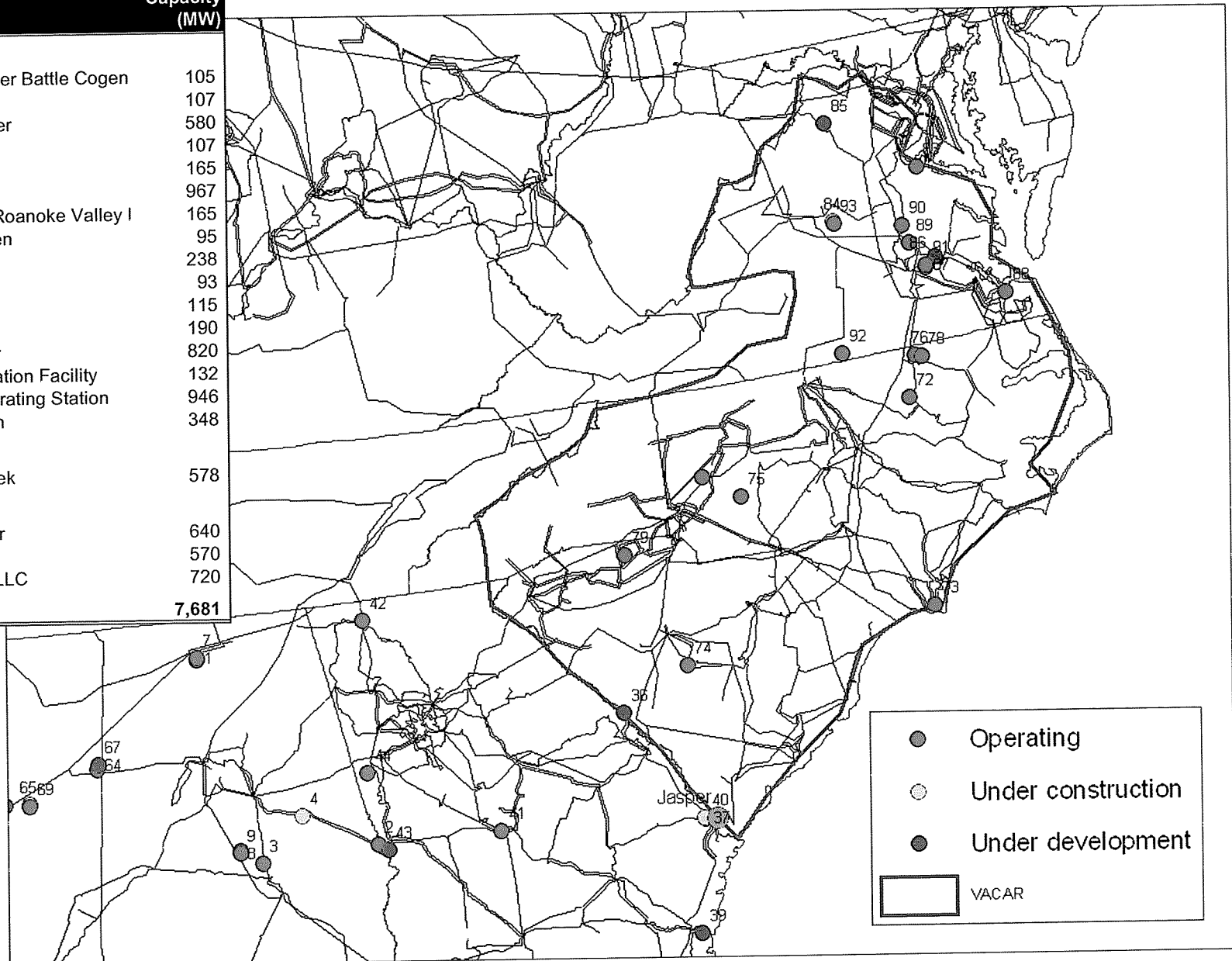


Note: Does not include peaking facilities

Merchant Development in VACAR

Docket No. 2004-178-E
David E. Dismukes, Ph.D.
Exhibit No. ____ (DED-18)
Page 1 of 1

Plant Name	Capacity (MW)
Operating	
72 Cogentrix Dwayne Collier Battle Cogen	105
73 Cogentrix Southport	107
74 Columbia Energy Center	580
75 Narrows	107
76 Panda Rosemary LP	165
77 Rowan	967
78 Westmoreland-LG&E Roanoke Valley I	165
79 Cherokee County Cogen	95
83 Birchwood Power	238
87 Cogentrix Hopewell	93
88 Cogentrix Portsmouth	115
89 Cogentrix of Richmond	190
90 Doswell Energy Center	820
92 Mecklenburg Cogeneration Facility	132
93 Tenaska Virginia Generating Station	946
91 Hopewell Cogeneration	348
Under Construction	
84 CPV Cunningham Creek	578
Under Development	
36 Augusta Energy Center	640
85 CPV Warren, LLC	570
86 Chickahominy Power LLC	720
Total	7,681

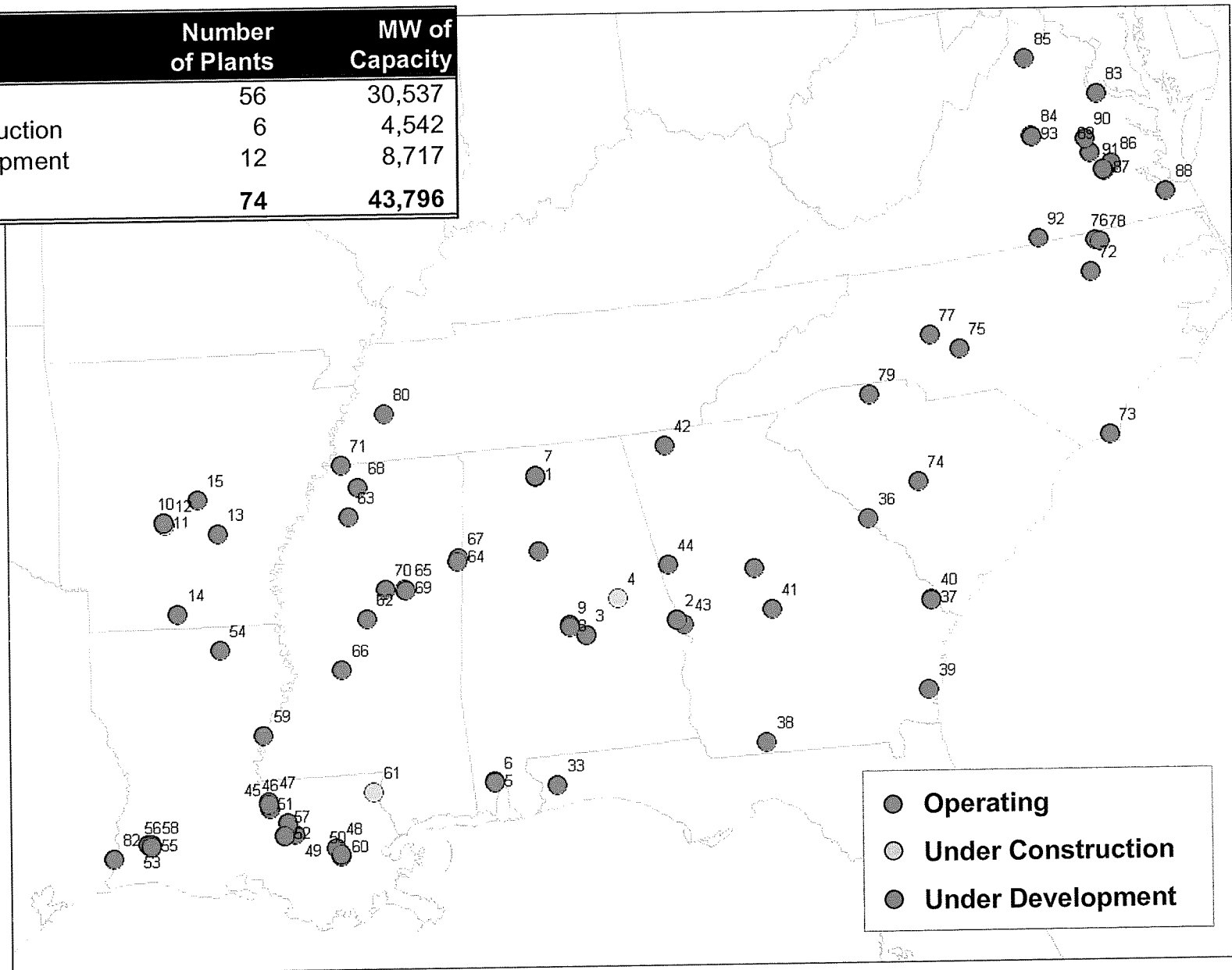


Note: Does not include peaking facilities

Merchant Alternatives in SERC

Docket No. 2004-178-E
David E. Dismukes, Ph.D.
Exhibit No. ____ (DED-19)
Page 1 of 1

Plant Status	Number of Plants	MW of Capacity
Operating	56	30,537
Under Construction	6	4,542
Under Development	12	8,717
Total	74	43,796



Note: Does not include peaking facilities

CERTIFICATE OF SERVICE

Application of South Carolina)
Electric & Gas Company for)
Approval of an Increase in Electric)
Rates and Charges)

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Dated at Columbia, South Carolina this 11th day of October 04.


Mary F. Cutler